ORDER NO. AD9903061C2

Service Manual

Sound Processor

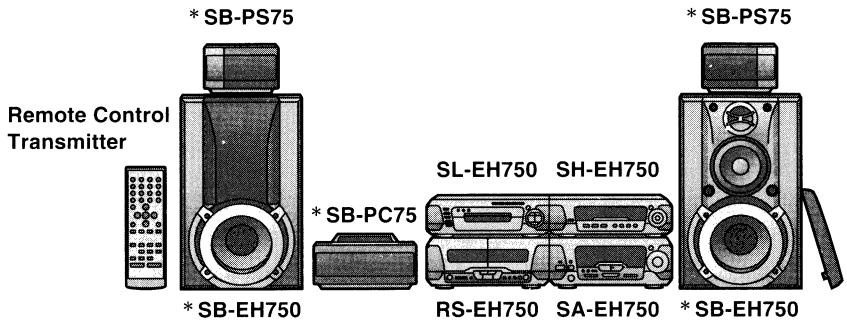
Sound Processor

SH-EH750

DOLBY SURROUND PRO•LOGIC

Colour
(S) ..... Silver Type

Area
(E) ..... Europe.



System	SC-EH750
Sound Processor	**SH-EH750**
Tuner/Amplifier	SA-EH750
CD Changer	SL-EH750
Cassette Deck	RS-EH750
Front Speakers*	SB-EH750
Center Speaker*	SB-PC75
Surround Speakers*	SB-PS75

* : Made in Singapore.

Because of unique interconnecting cables, when a component requires service, send or bring in the entire system.

Specifications

EQ/SFP Section

MANUAL GEQ:
- **Center frequency;** 100 Hz, 315 Hz, 1 kHz, 3.15 kHz, 10 kHz
- **Level control;** ± 3, 6, 9 dB

EQ SPACE mode:
- **3 modes;** HEAVY, CLEAR, HALL

3D Acoustic Image EQ:
- **3 modes;** AI EQ, 3D AI1,3D AI2

Pre-amplifier Section

Input sensitivity/impedance:
- **VCR (EXT);** 250 mV/15 kΩ
- **AUX (DVD);** 250 mV/15 kΩ
- **DVD 6CH INPUT (L/R/LS/RL/C/SubW);** 250 mV/15 kΩ

Output level:
- **VCR REC OUT;** 250 mV/1.5 kΩ
- **SUBWOOFER OUT;** 2.5 V/2.2 kΩ

DOLBY PRO LOGIC Section

PRO LOGIC mode: SURROUND
CENTER mode: NORMAL
DELAY TIME: 20 ms (Fixed)

AV SURROUND Section

AV SURROUND mode: SIMULATED STEREO
SUPER SURROUND (MUSIC, MOVIE)

DSP CONTROL Section

DSP CONTROL mode: SEAT POSITION
CENTER FOCUS
VIRTUAL REAR SURROUND
MULTI REAR SURROUND

Spectrum Analizer Section

Display mode: NORMAL, PEAKHOLD, AURORA

General

Dimensions (W×H×D): 293×89×269 mm
Weight: 1.5 kg

Notes: Specifications are subject to change without notice.
Weight and dimensions are approximate.

Manufactured under license from Dolby Laboratories Licensing Corporation.
DOLBY, the double-D symbol DD and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Technics®

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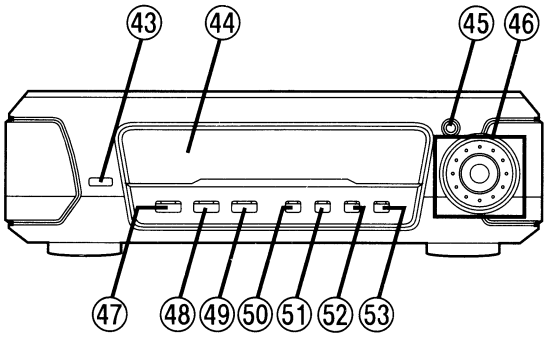
■ Contents

	Page
Location of Controls	2
Operation Checks and Component Replacement Procedures	3,4
Schematic Diagram	5~14
Printed Circuit Board Diagram	15~17
Type Illustration of IC's, Transistors and Diodes	18
Wiring Connection Diagram	18
Terminal Function of IC's	19
Block Diagram	20~23
Replacement Parts List	24~26
Cabinet Parts Location	27

NOTE:

Refer to the service manual for Model No. SA-EH750 (ORDER No. AD9903063C2) for information on "Accessories", "Connections", "Installation", "Operations" and "Packaging".

■ Location of Controls



43 **Display mode select button (DISPLAY MODE)**
44 **Display**
45 **3D AI EQ button (3D AI EQ)**
46 **Jog control and joy stick (MULTI JOG)**
47 **DOLBY PRO LOGIC on/off button (DD PRO LOGIC, OFF/ON)**
48 **Super surround button and indicator (SUPER SURROUND)**
49 **Simulated stereo on/off button and indicator (SIMULATED STEREO)**
50 **Center focus button and indicator (CENTER FOCUS)**
51 **Virtual rear surround button and indicator (VIRTUAL REAR SURROUND)**
52 **Multi rear surround button and indicator (MULTI REAR SURROUND)**
53 **Seat position button and indicator (SEAT POSITION)**

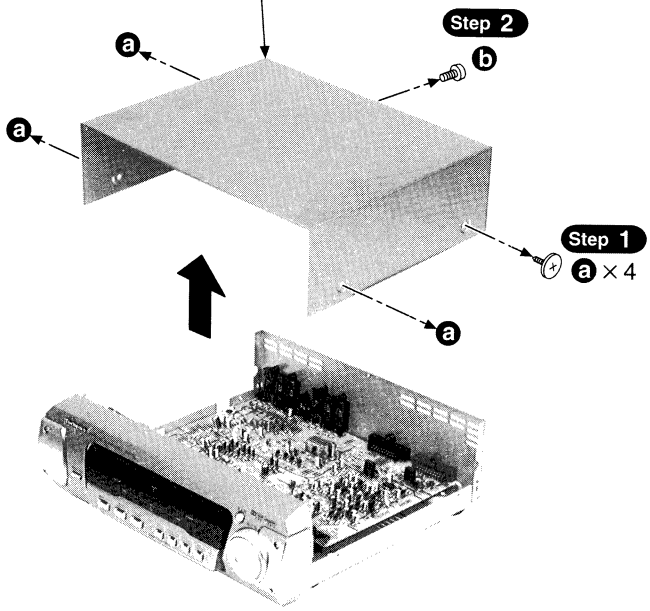
■ Operation Checks and Component Replacement Procedures

NOTE **1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.**

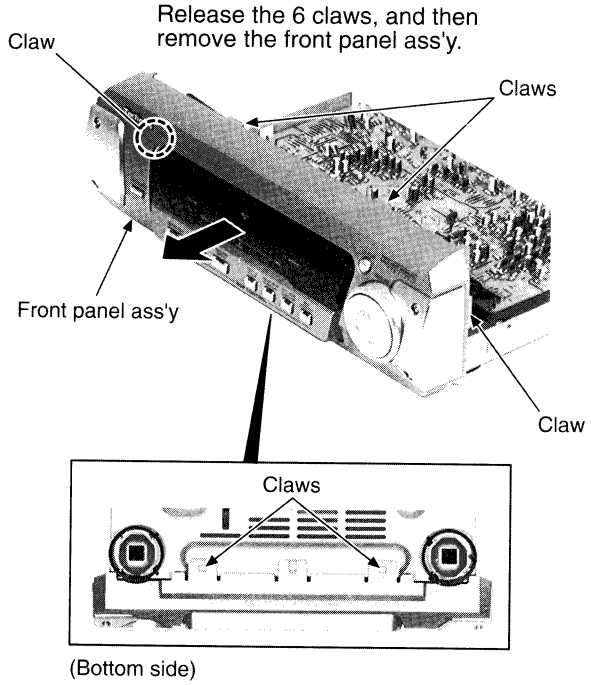
2. For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.

1. Checking for the FL P.C.B.

Step 3 Remove the top cabinet.

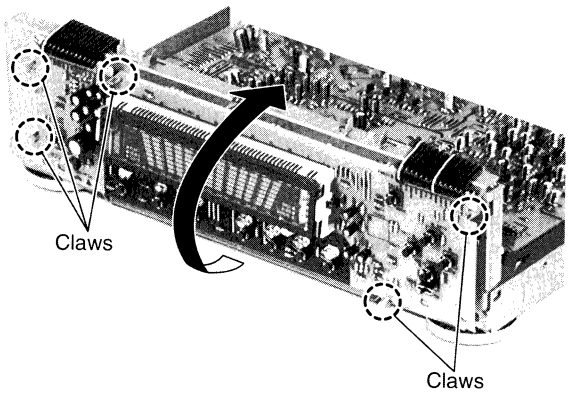


Step 4 Release the 6 claws, and then remove the front panel ass'y.

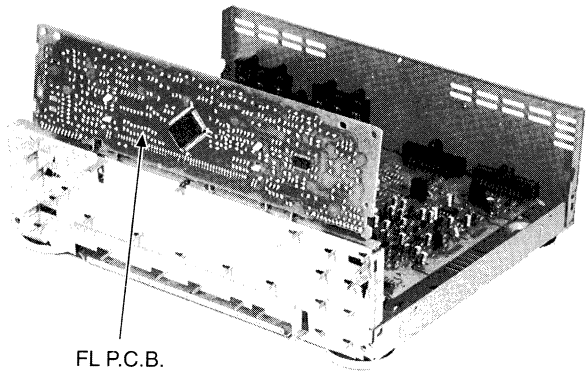


(Bottom side)

Step 5 Release the 5 claws, and then remove the FL P.C.B..

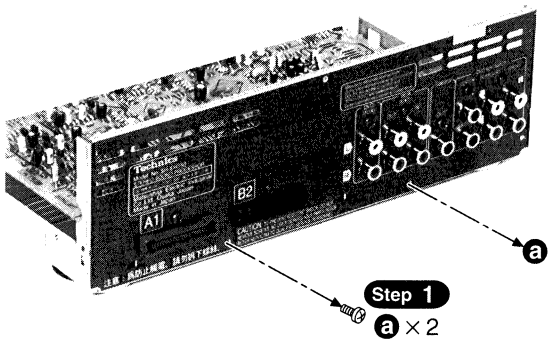


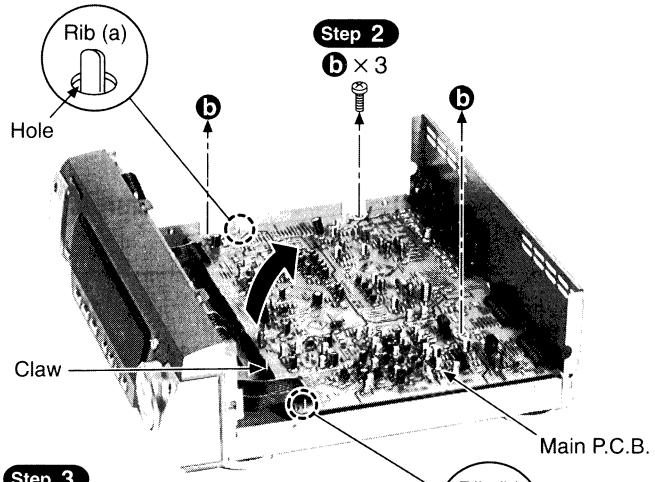
· Check the FL P.C.B. as shown below.



2. Checking for the main P.C.B.

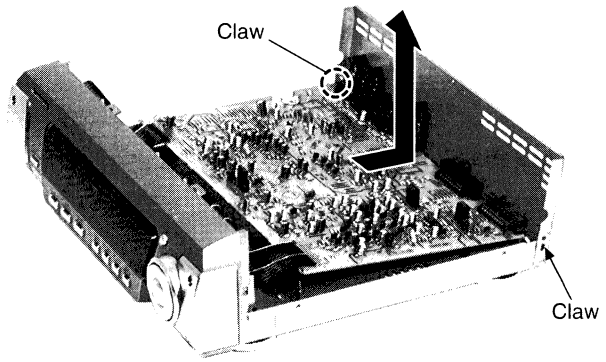
· Follow the **Step 1** ~ **Step 3** of the item 1.





Step 3

Release the claw, and then lift up the main P.C.B..
(Lift up the main P.C.B. until the rib (a) and rib (b) are released from the hole of main P.C.B..)



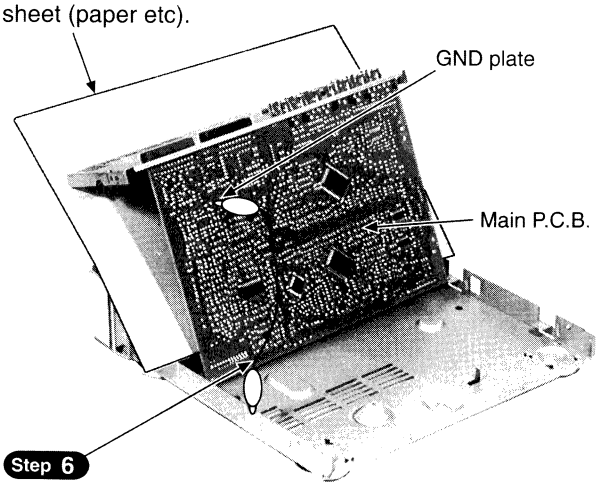
Step 4

Release the 2 claws, and then remove the main P.C.B. in the direction of arrow.

· Check the main P.C.B. as shown below.

Step 5

Insert the insulator sheet (paper etc).



Step 6

Connect the lead wire.

■ Schematic Diagram

Page

A FL CIRCUIT 6,7

B MAIN CIRCUIT ..... 8~14

- This schematic diagram may be modified at any time with the development of new technology.

Notes:

- **S601** : Display mode select switch (DISPLAY MODE)
- **S602** : DOLBY PRO LOGIC on/off switch (DD PRO LOGIC OFF/ON)
- **S603** : Super surround switch (SUPER SURROUND)
- **S604** : Simulated stereo on/off button switch (SIMULATED STEREO)
- **S605** : Center focus switch (CENTER FOCUS)
- **S606** : Virtual rear surround switch (VIRTUAL REAR SURROUND)
- **S607** : Multi rear surround switch (MULTI REAR SURROUND)
- **S608** : Seat position switch (SEAT POSITION)
- **S609~S612** : JOY stick (S609 : ►, S610 : ▲, S611 : ◄, S612 : ▼)
- **S613** : 3D AI EQ switch (3D AI EQ)
- **S651** : JOG control switch (MULTI JOG)

- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

- Important safety notice:
  Components identified by ⚠ mark have special characteristics important for safety.
  Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
  When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

- **Caution!**
  IC and LSI are sensitive to static electricity.
  Secondary trouble can be prevented by taking care during repair.
  Cover the parts boxes made of plastics with aluminum foil.
  Ground the soldering iron.
  Put a conductive mat on the work table.
  Do not touch the legs of IC or LSI with the fingers directly.

- **Voltage and signal line**

  : Positive voltage line

  : Negative voltage line

  : CD signal line

  : Surround SP.drive signal line

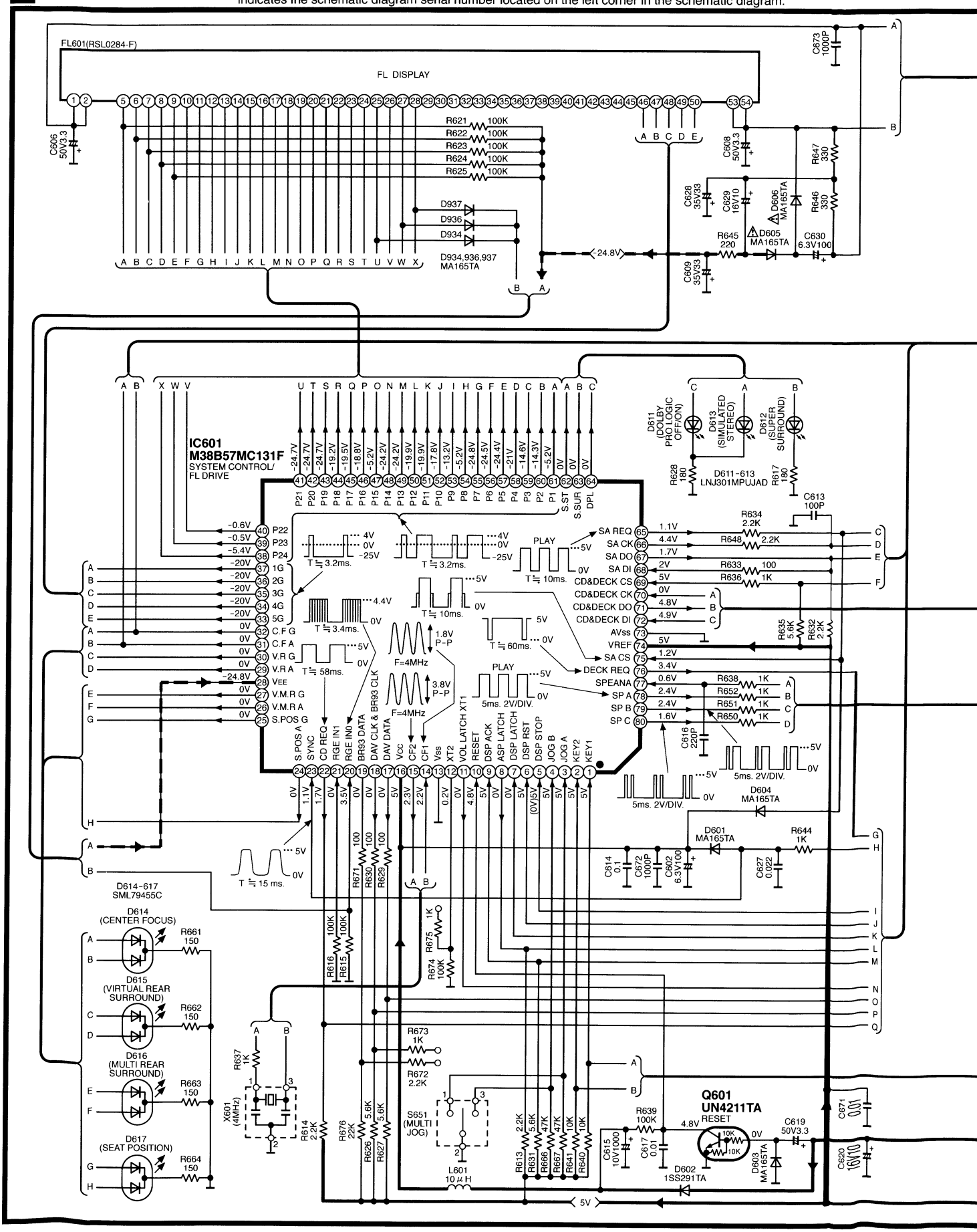
  : Center SP.drive signal line

SCHEMATIC DIAGRAM-1

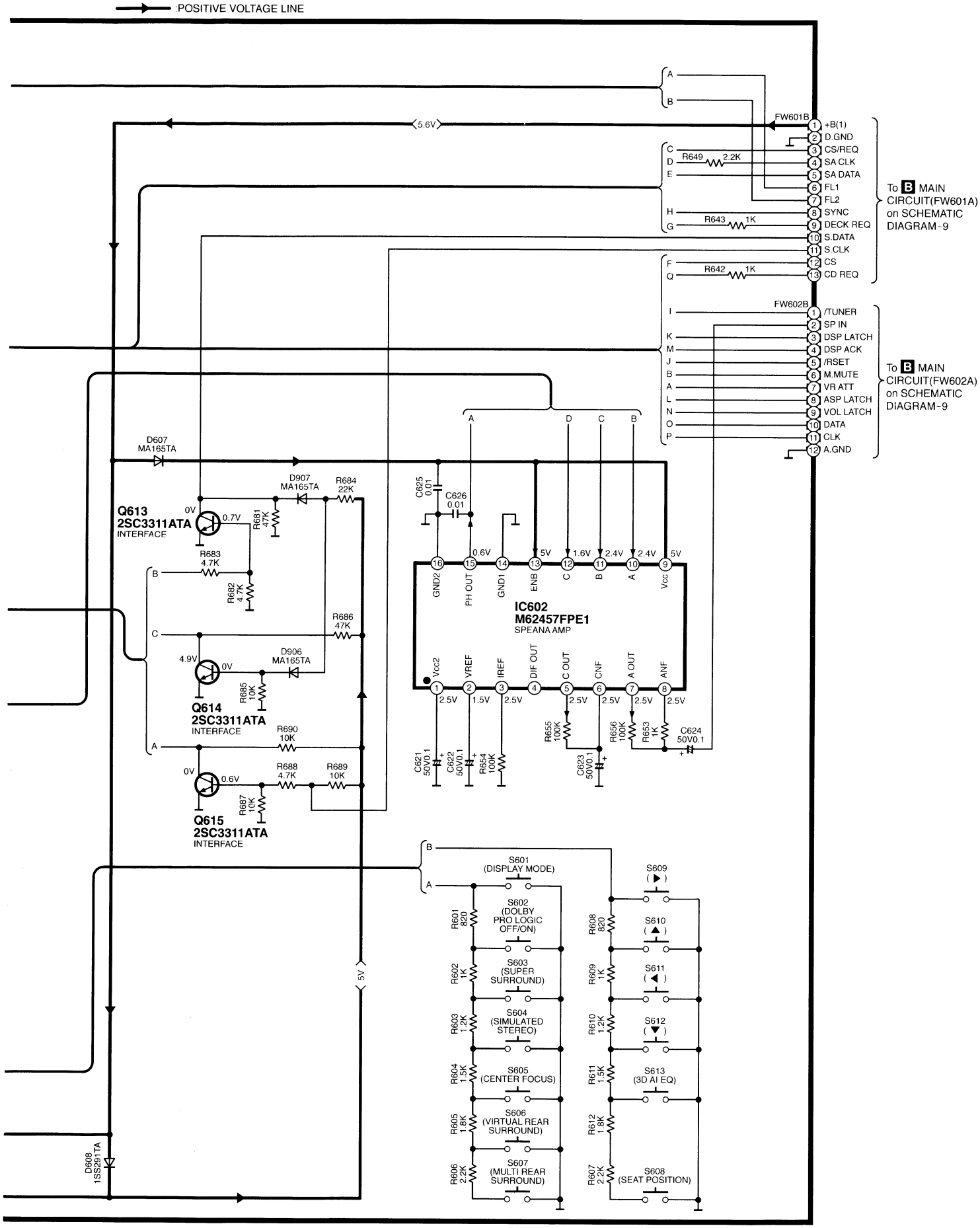
A FL CIRCUIT

NOTE:
The number which noted at the connectors on the schematic diagram as "SCHEMATIC DIAGRAM-1" or "SCHEMATIC DIAGRAM-2" indicates the schematic diagram serial number located on the left corner in the schematic diagram.

:POSITIVE VOLTAGE LINE
:NEGATIVE VOLTAGE LINE



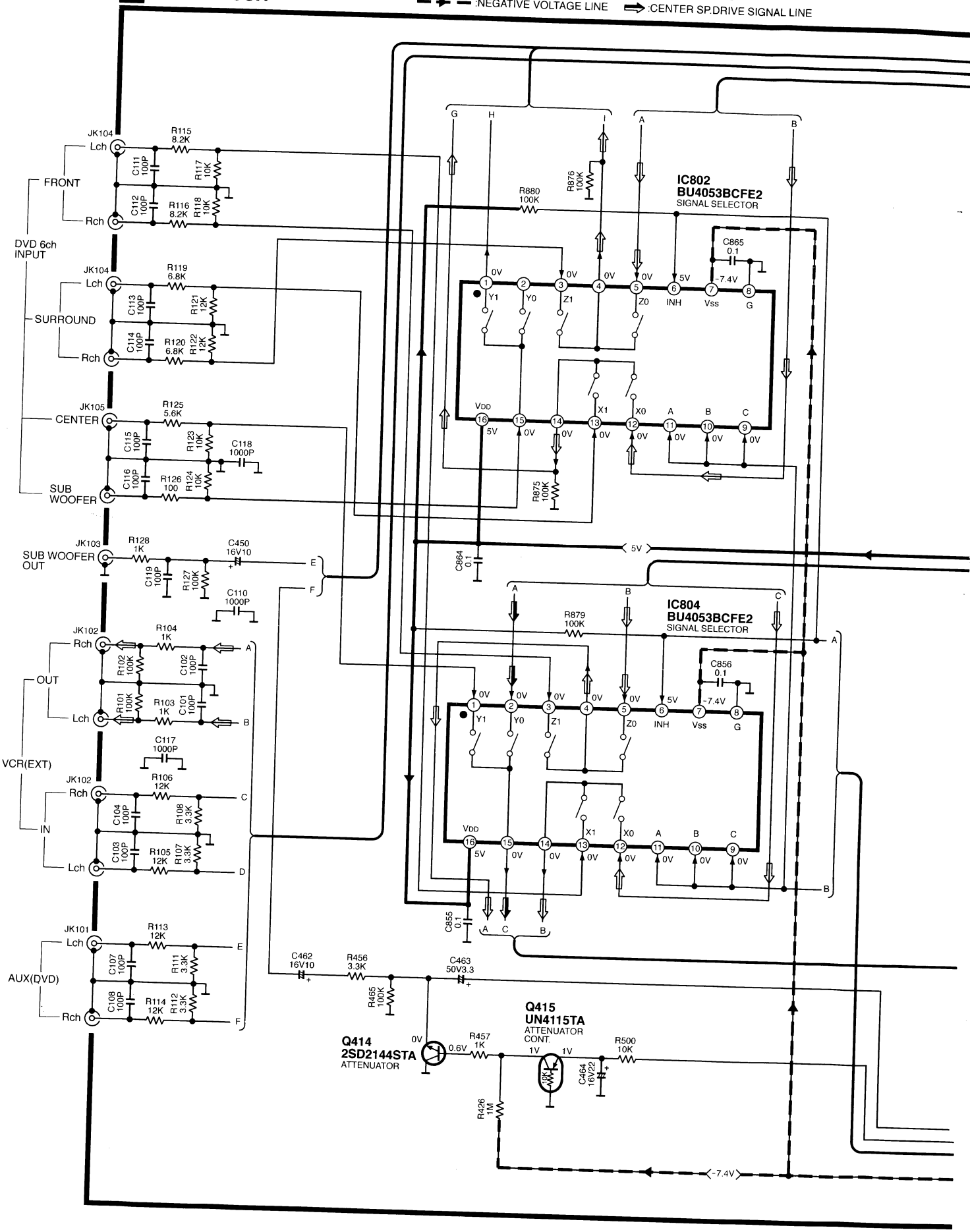
SCHEMATIC DIAGRAM-2



SCHEMATIC DIAGRAM-3

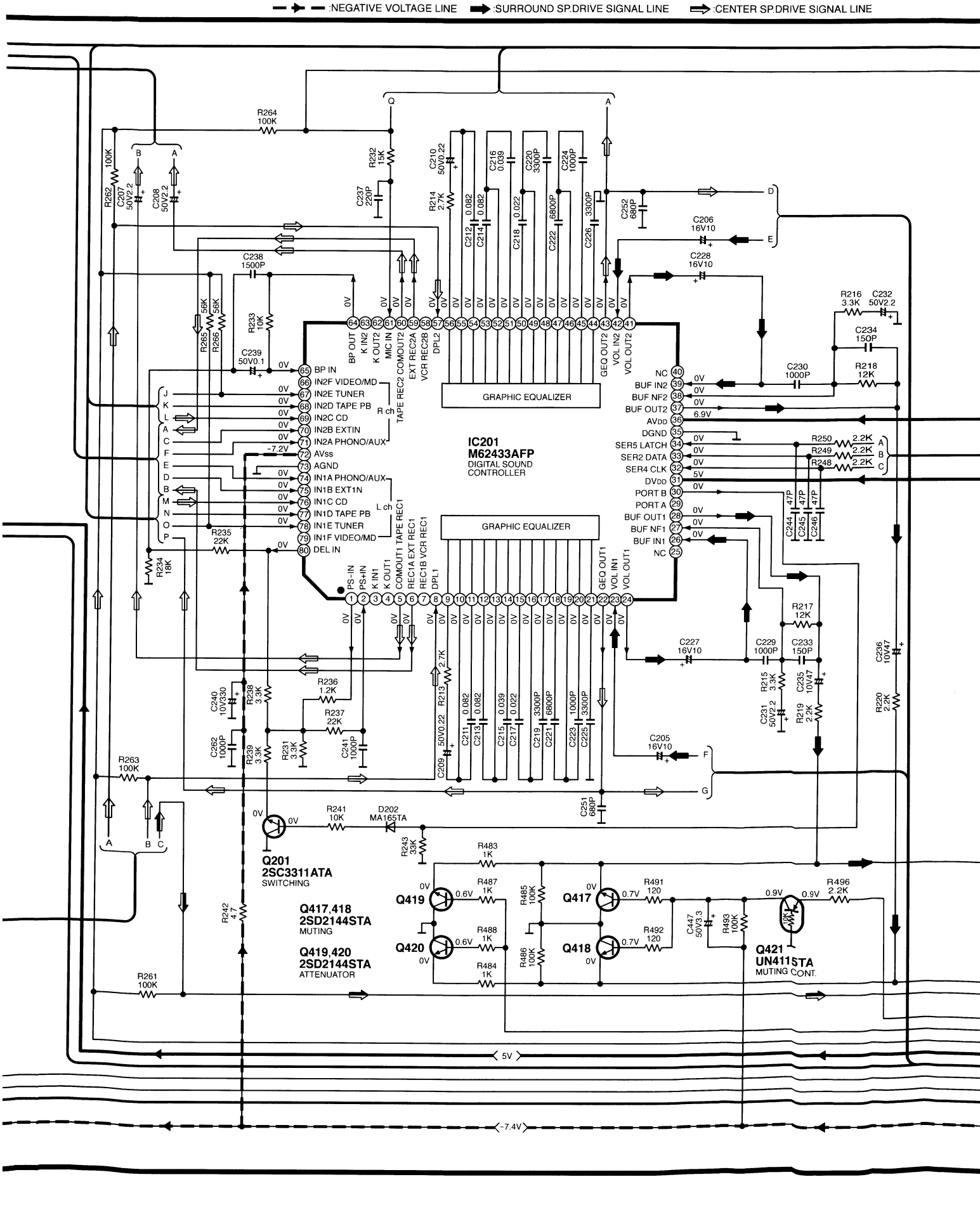
B MAIN CIRCUIT

:POSITIVE VOLTAGE LINE
:NEGATIVE VOLTAGE LINE
:CD SIGNAL LINE
:CENTER SP.DRIVE SIGNAL LINE



SCHEMATIC DIAGRAM-4

:POSITIVE VOLTAGE LINE
:NEGATIVE VOLTAGE LINE
:CD SIGNAL LINE
:SURROUND SP.DRIVE SIGNAL LINE
:CENTER SP.DRIVE SIGNAL LINE

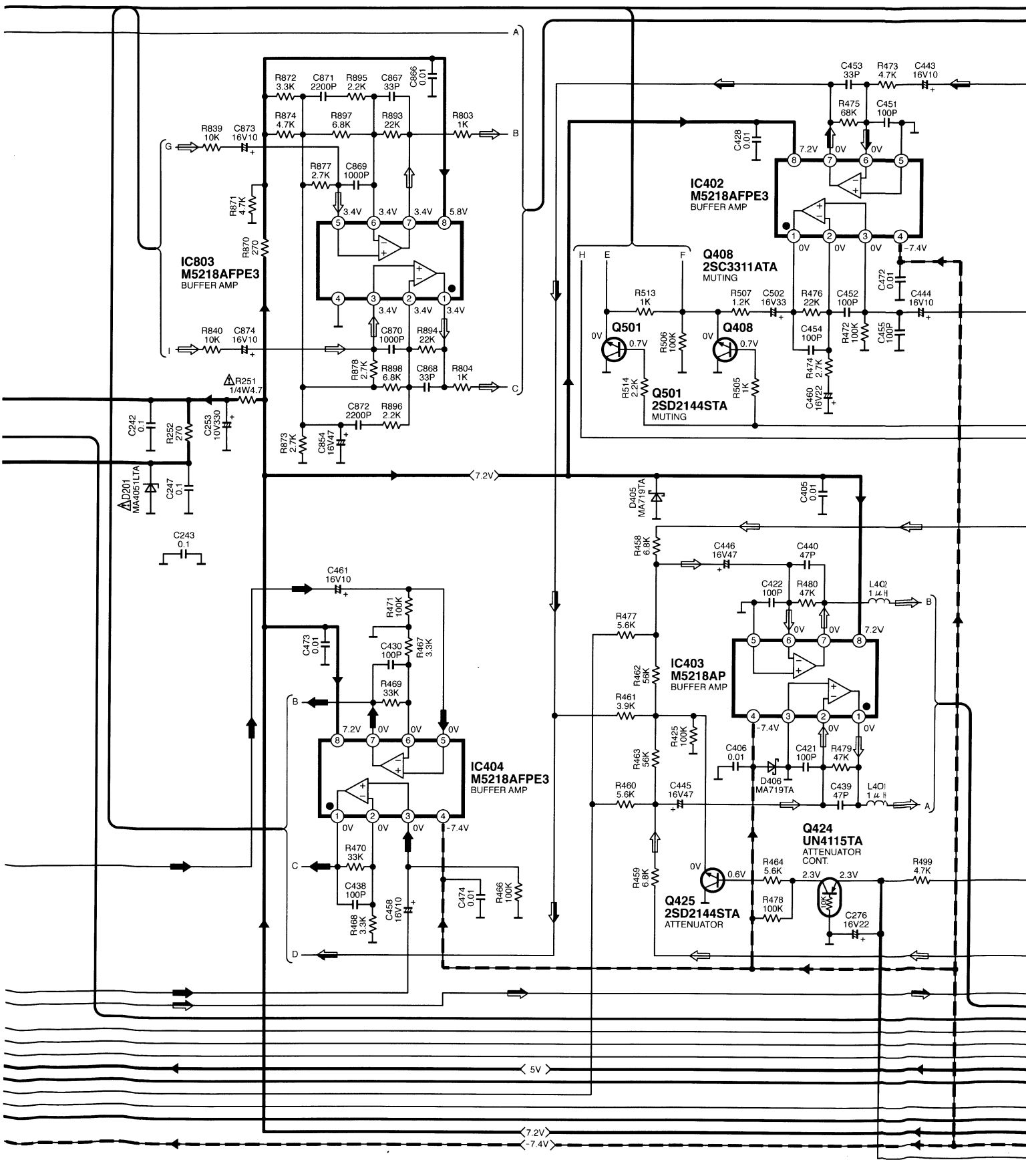


SCHEMATIC DIAGRAM-5

B MAIN CIRCUIT

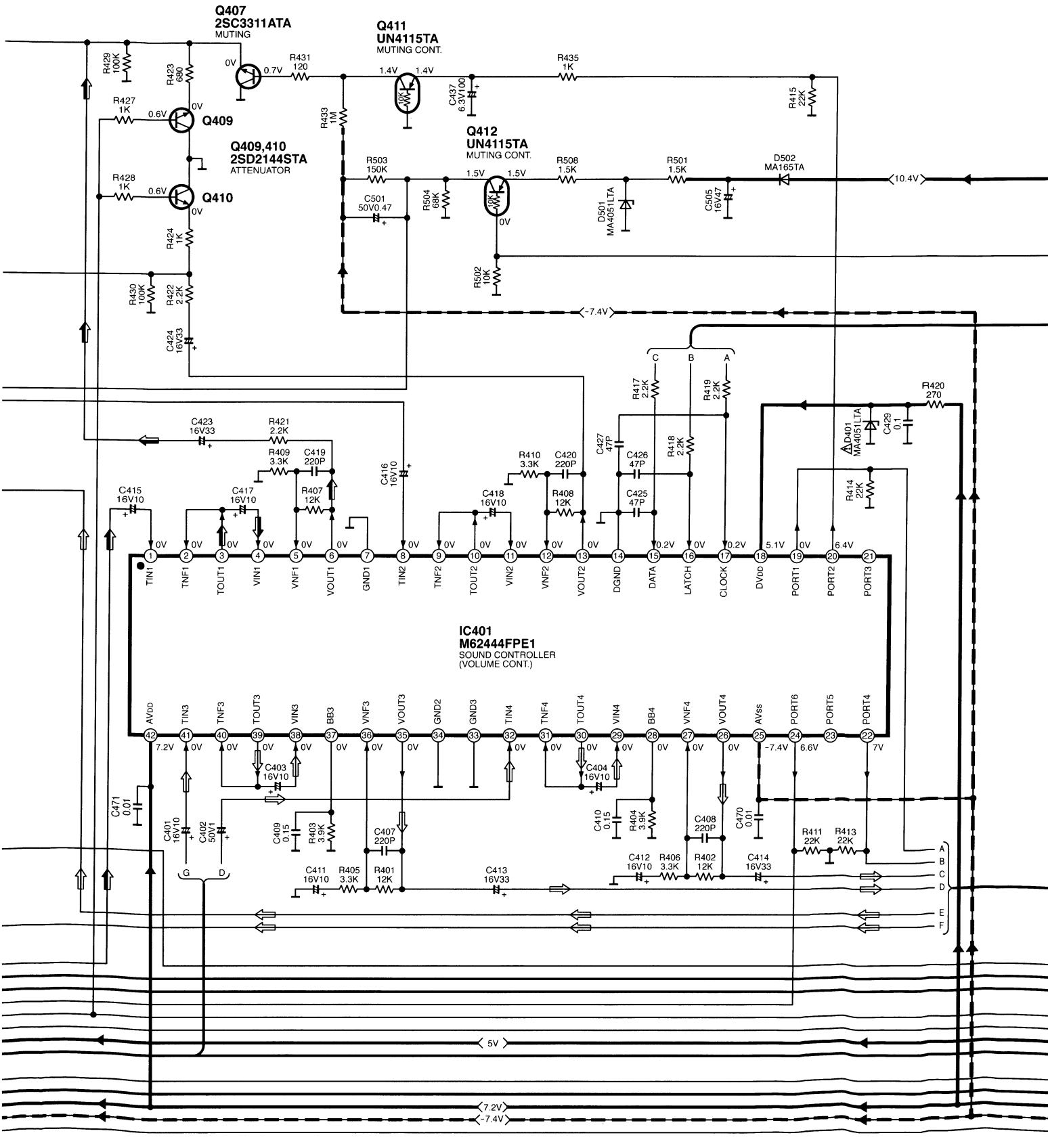
:POSITIVE VOLTAGE LINE :CD SIGNAL LINE

:NEGATIVE VOLTAGE LINE :SURROUND SP.DRIVE SIGNAL LINE :CENTER SP.DRIVE SIGNAL LINE



SCHEMATIC DIAGRAM-6

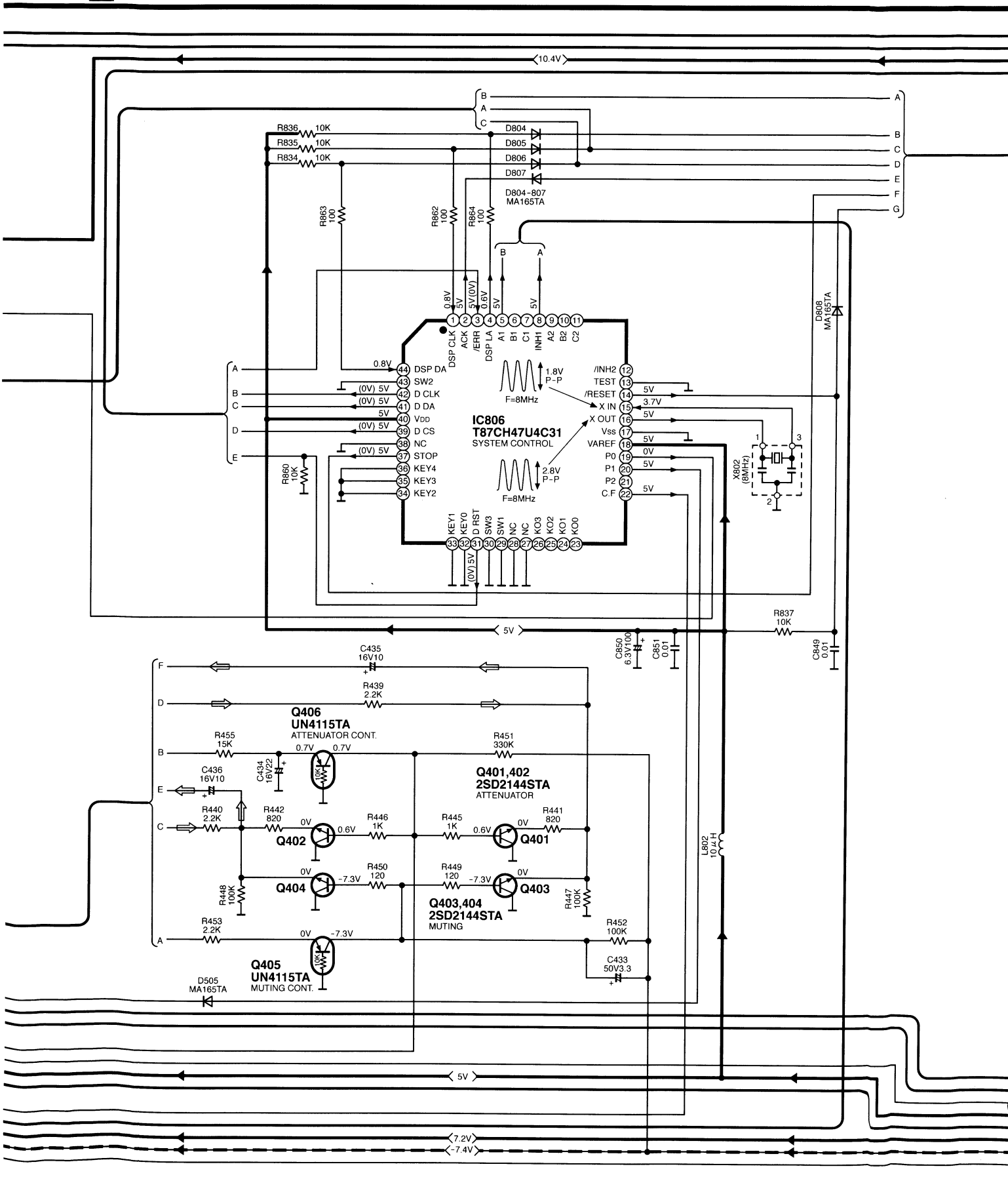
:POSITIVE VOLTAGE LINE
:NEGATIVE VOLTAGE LINE
:CD SIGNAL LINE
:CENTER SP.DRIVE SIGNAL LINE



SCHEMATIC DIAGRAM-7

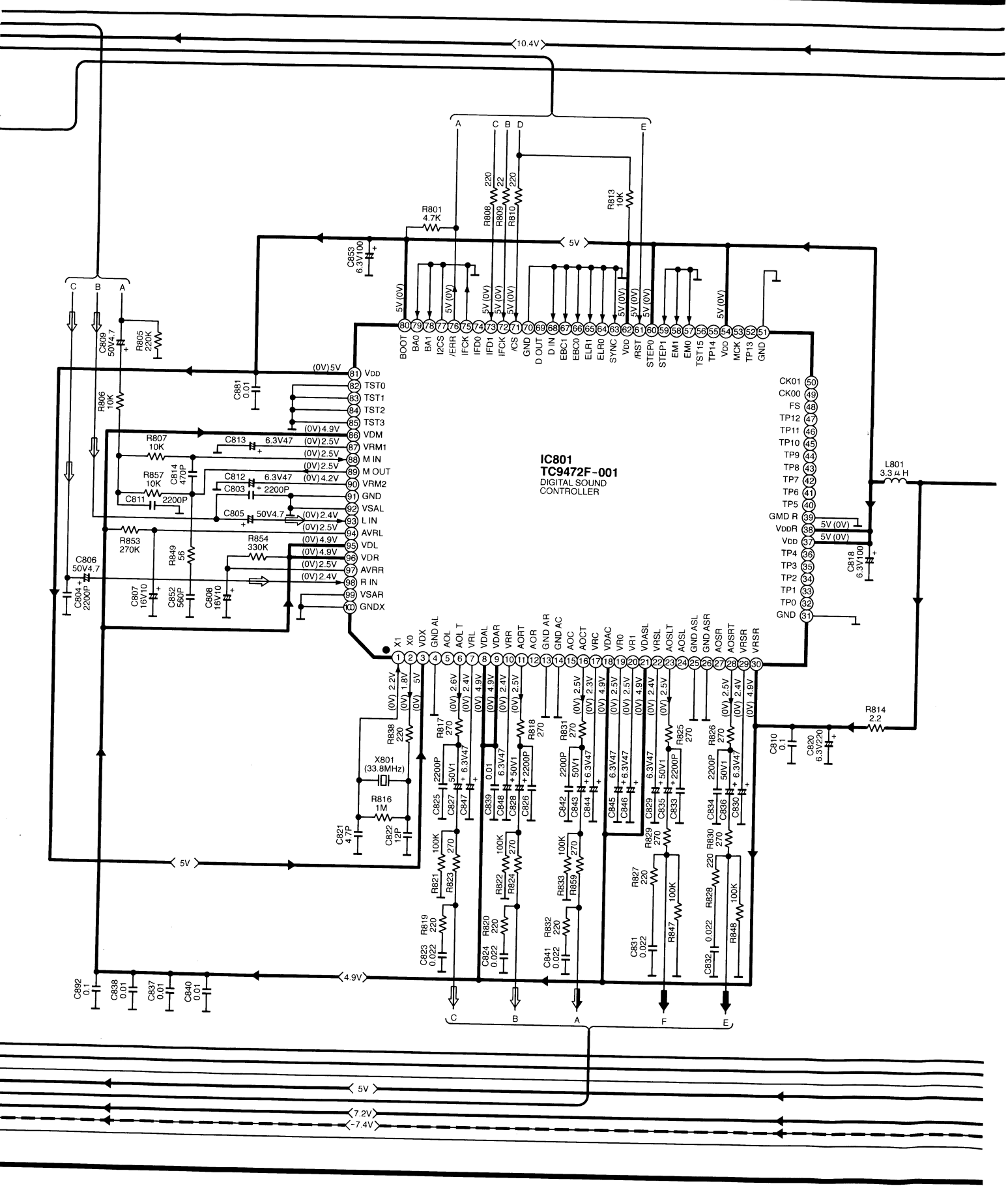
B MAIN CIRCUIT

:POSITIVE VOLTAGE LINE
:NEGATIVE VOLTAGE LINE
:CD SIGNAL LINE



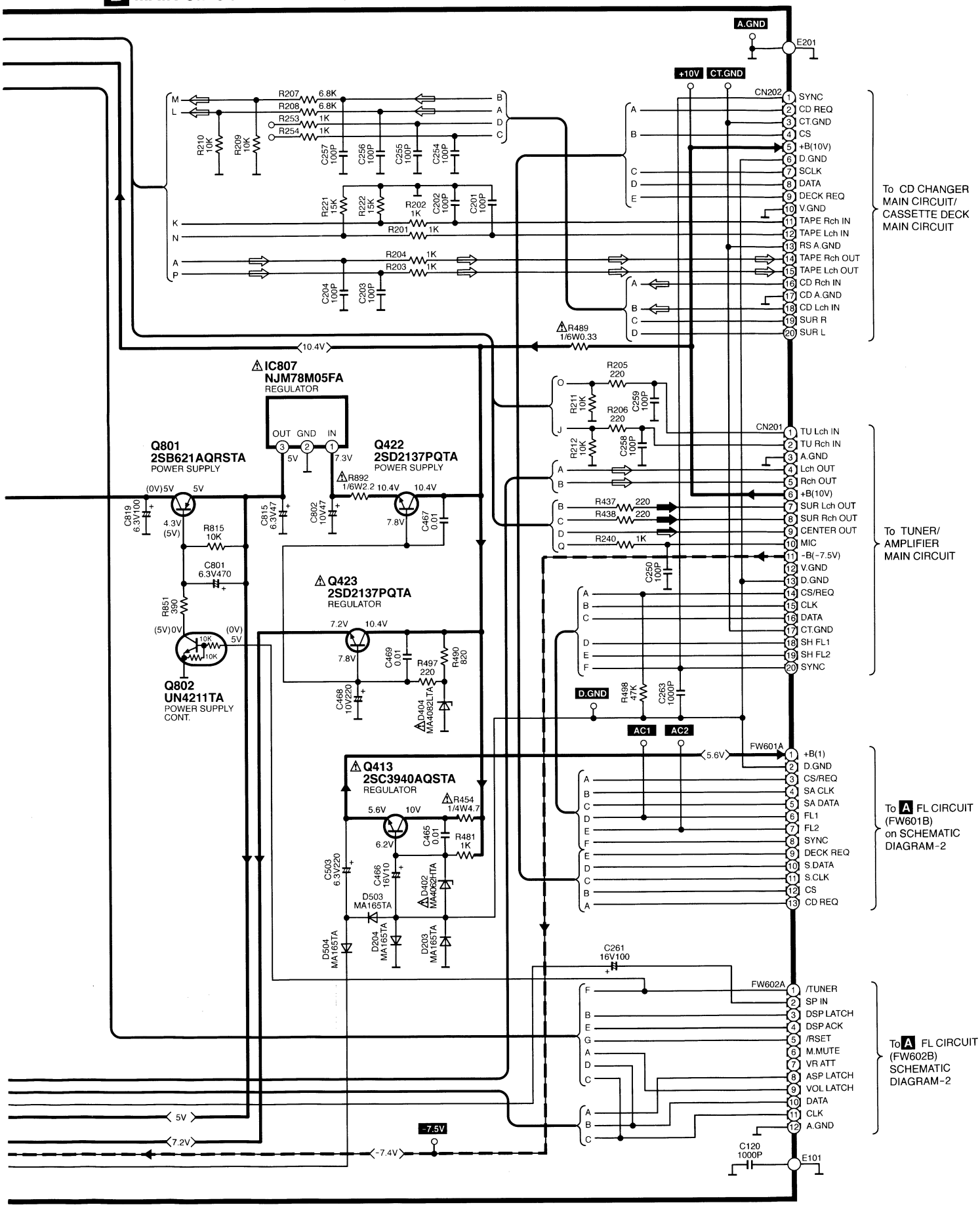
SCHEMATIC DIAGRAM-8

:POSITIVE VOLTAGE LINE
:NEGATIVE VOLTAGE LINE
:CD SIGNAL LINE
:SURROUND SP.DRIVE SIGNAL LINE
:CENTER SP.DRIVE SIGNAL LINE



SCHEMATIC DIAGRAM-9
B MAIN CIRCUIT

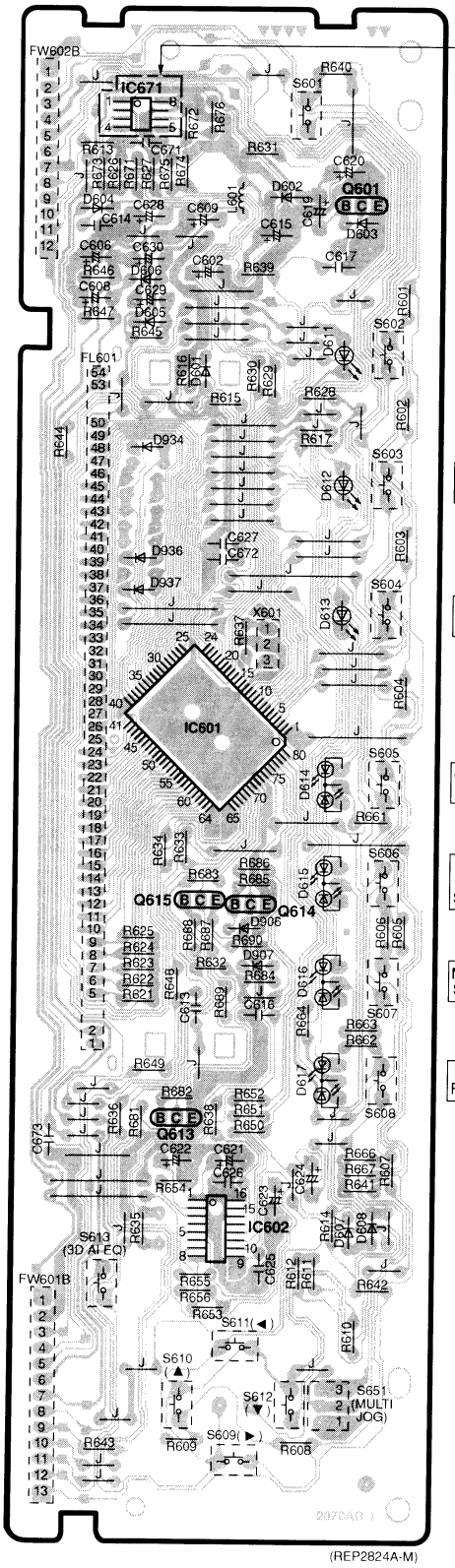
:POSITIVE VOLTAGE LINE
:NEGATIVE VOLTAGE LINE
:CD SIGNAL LINE
:SURROUND SP.DRIVE SIGNAL LINE
:CENTER SP.DRIVE SIGNAL LINE



■ Printed Circuit Board Diagram

● This circuit board diagram may be modified at any time with the development of new technology.

A FL P.C.B.



(REP2824A-M)

DISPLAY MODE

DOLBY PRO LOGIC OFF/ON

SUPER SURROUND

SIMULATED STEREO

CENTER FOCUS

VIRTUAL REAR SURROUND

MULTI REAR SURROUND

SEAT POSITION

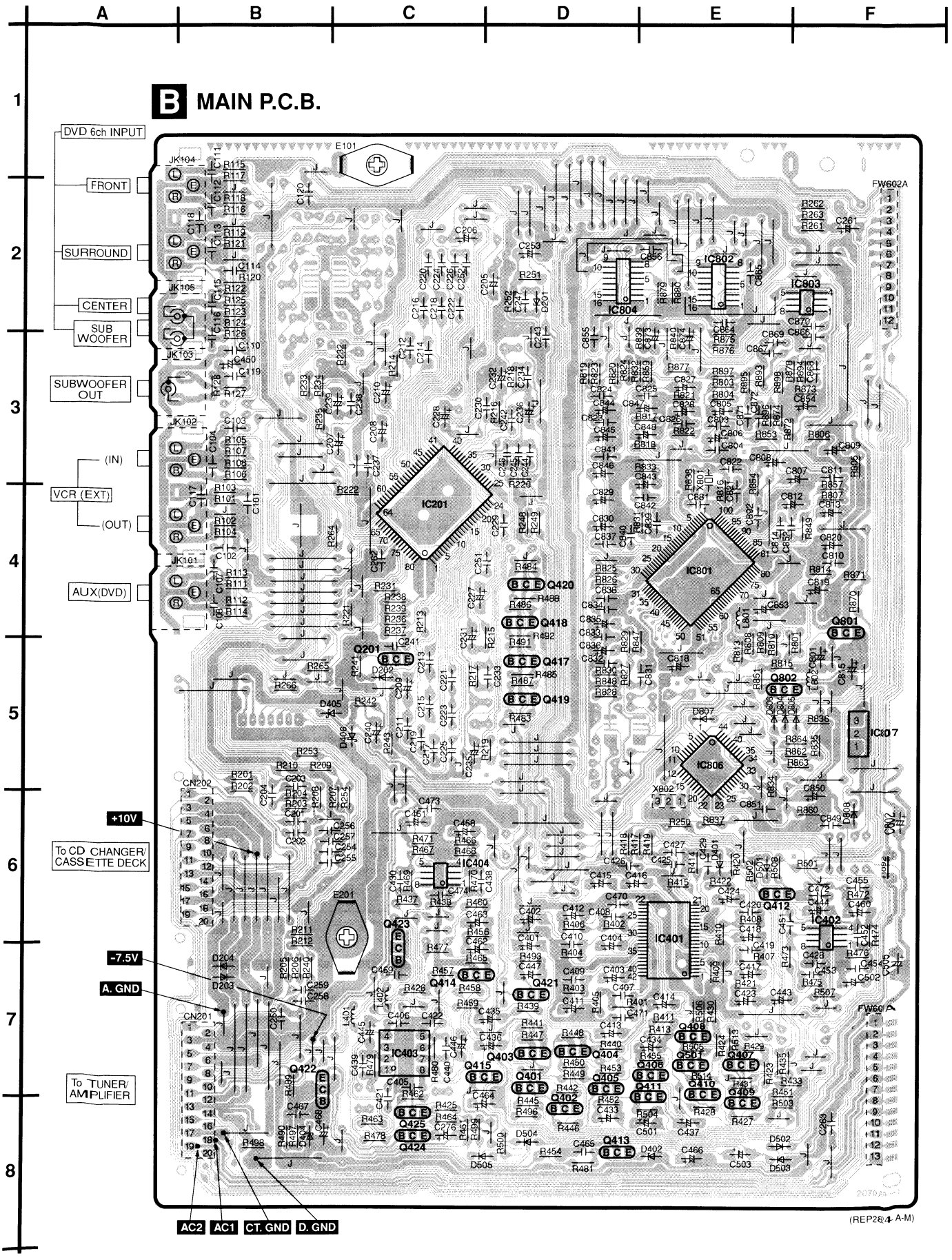
NOTE

1. Some models may not be provided with IC671.
2. For the model provided with IC671, in case of replacing it, remove the IC671, and then replace the IC601 on P.C.B. to new one.
   * Depending on replacing the IC601 to new one (P/N: M38B57HC131F), the IC671 is useless for that model.

■ ELECTRICAL PARTS LOCATION

Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.
A FL P.C.B.							
IC601	4B	S609	8B	R632	6B	R681	6B
IC602	7B	S610	8B	R633	5B	R682	6B
IC671	2B	S611	7B	R634	5B	R683	5B
Q601	2C	S612	8B	R635	7B	R684	6B
Q613	6B	S613	7A	R636	6A	R685	5B
Q614	5B	S651	8B	R637	4B	R686	5B
Q615	5B	FL601	3A	R638	6B	R687	5B
D601	3B	FW601B	7A	R639	2B	R688	5B
D602	2B	FW602B	2A	R640	1B	R689	6B
D603	2C	R601	2C	R641	7C	R690	5B
D604	2A	R602	3C	R642	7C	C602	2B
D605	3B	R603	4C	R643	8A	C606	2A
D606	2B	R604	4C	R644	3A	C608	2A
D607	7C	R605	5C	R645	3B	C609	2B
D608	7C	R606	5C	R646	2A	C613	6B
D611	3B	R607	6C	R647	3A	C614	2A
D612	3B	R608	8B	R648	6B	C615	2B
D613	4B	R609	8B	R649	6B	C616	6B
D614	5B	R610	7C	R650	6B	C617	2B
D615	5B	R611	7B	R651	6B	C619	2B
D616	6B	R612	7B	R652	6B	C620	2B
D617	6B	R613	2A	R653	7B	C621	6B
D906	5B	R614	7B	R654	7B	C622	6B
D907	6B	R615	3B	R655	7B	C623	7B
D934	3B	R616	3B	R656	7B	C624	7B
D936	4B	R617	3B	R661	5C	C625	7B
D937	4B	R621	6B	R662	6C	C626	7B
L601	2B	R622	6B	R663	6C	C627	4B
X601	4B	R623	6B	R664	6B	C628	2B
S601	2B	R624	5B	R666	6C	C629	2B
S602	3C	R625	5B	R667	6C	C630	2B
S603	3C	R626	2A	R671	2A	C671	2B
S604	4C	R627	2B	R672	2B	C672	4B
S605	5C	R628	3B	R673	2A	C673	6A
S606	5C	R629	3B	R674	2B		
S607	6C	R630	3B	R675	2B		
S608	6C	R631	2B	R676	2B		

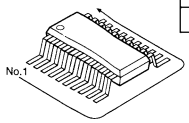
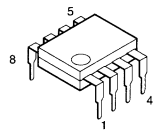
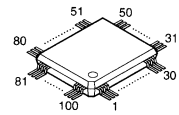
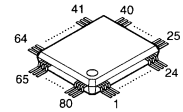
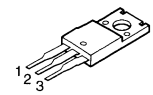
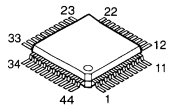
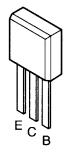
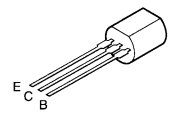
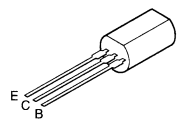
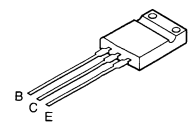
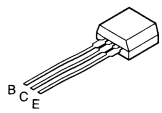
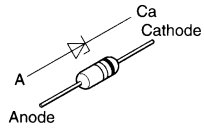
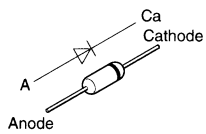
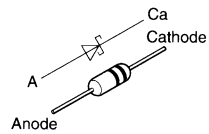
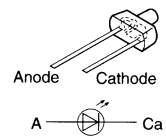
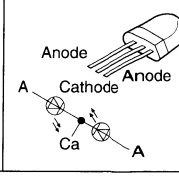
B MAIN P.C.B.


A
B
C
D
E
F
1
2
3
4
5
6
7
8
DVD 6ch INPUT
FRONT
SURROUND
CENTER
SUB WOOFER
SUBWOOFER OUT
(IN)
VCR (EXT)
(OUT)
AUX(DVD)
+10V
To CD CHANGER/ CASSETTE DECK
-7.5V
A. GND
To TUNER/ AMPLIFIER
AC2
AC1
CT. GND
D. GND
IC201
IC801
IC802
IC803
IC804
IC806
IC807
IC401
IC402
IC403
IC404
Q201
Q401
Q402
Q403
Q404
Q405
Q406
Q407
Q408
Q409
Q410
Q411
Q412
Q413
Q414
Q415
Q418
Q419
Q420
Q421
Q422
Q423
Q424
Q425
Q501
Q801
Q802
E101
E201
FW602A
FW601
(REP28④ A-M)

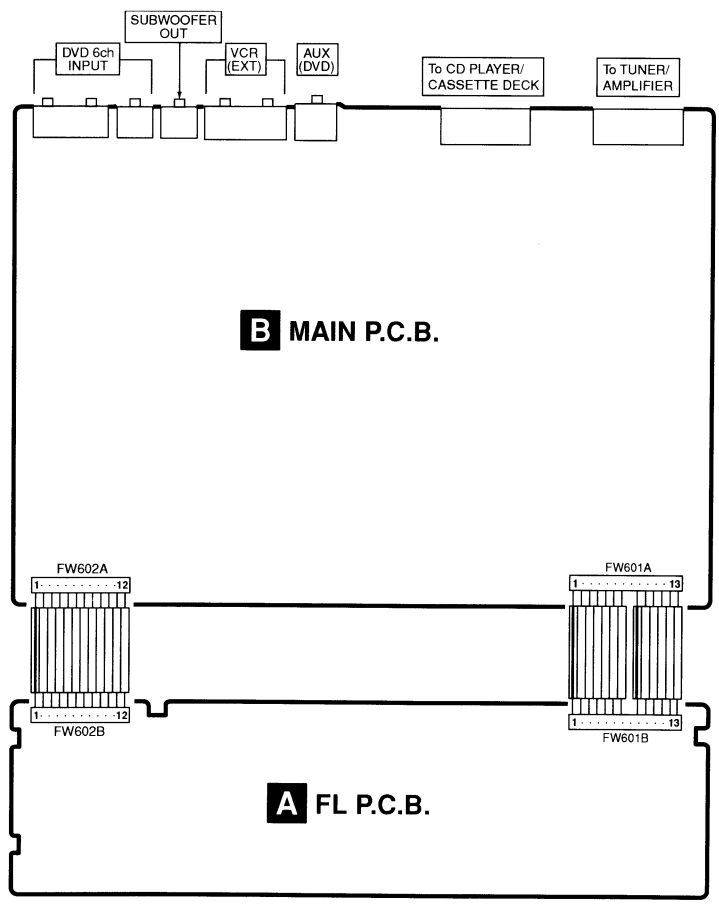
■ ELECTRICAL PARTS LOCATION

Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.
B MAIN P.C.B.															
IC201	4C	JK102	3A	R242	5C	R460	6C	R823	3D	C203	5B	C409	7D	C807	3F
IC401	6E	JK103	3A	R243	5C	R461	8C	R824	3D	C204	6B	C410	7D	C808	3E
IC402	6F	JK104	2A	R248	4D	R462	8C	R825	4D	C205	2D	C411	7D	C809	3F
IC403	7C	JK105	2A	R249	4D	R463	8C	R826	4D	C206	2C	C412	6D	C810	4F
IC404	6C	FW601A	7F	R250	6E	R464	8C	R827	5D	C207	3C	C413	7D	C811	3F
IC801	4E	FW602A	2F	R251	2D	R465	7C	R828	5D	C208	3C	C414	7E	C812	4F
IC802	2E	E101	1C	R252	2D	R466	6C	R829	5D	C209	5C	C415	6D	C813	4F
IC803	2F	E201	6C	R253	5B	R467	6C	R830	5D	C210	3C	C416	6D	C814	4E
IC804	2D	R101	4B	R254	6C	R468	6C	R831	4E	C211	5C	C417	7E	C815	5F
IC806	5E	R102	4B	R261	2F	R469	6C	R832	3E	C212	3C	C418	6E	C818	5E
IC807	5F	R103	4B	R262	2F	R470	6C	R833	3E	C213	5C	C419	7E	C819	4F
Q201	5C	R104	4B	R263	2F	R471	6C	R834	5E	C214	3C	C420	6E	C820	4F
Q401	7D	R105	3B	R264	4C	R472	6F	R835	5F	C215	5C	C421	7C	C821	4E
Q402	8D	R106	3B	R265	5B	R473	7F	R836	5F	C216	2C	C422	7C	C822	3E
Q403	7D	R107	3B	R266	5B	R474	6F	R837	6E	C217	5C	C423	7E	C823	3D
Q404	7D	R108	3B	R401	7D	R475	7F	R838	3E	C218	2C	C424	6E	C824	3D
Q405	7D	R111	4B	R402	6D	R476	7F	R839	3E	C219	5C	C425	6E	C825	3E
Q406	7E	R112	4B	R403	7D	R477	7C	R840	3E	C220	2C	C426	6D	C826	3E
Q407	7E	R113	4B	R404	7D	R478	8C	R847	5E	C221	5C	C427	6E	C827	3E
Q408	7E	R114	4B	R405	7D	R479	7C	R848	5D	C222	2C	C428	7F	C828	3E
Q409	8E	R115	1B	R406	6D	R480	7C	R849	4F	C223	5C	C429	6E	C829	4D
Q410	7E	R116	2B	R407	7E	R481	8D	R851	5E	C224	2C	C430	6C	C830	4D
Q411	7E	R117	2B	R408	6E	R483	5D	R853	3E	C225	5C	C433	8D	C831	5E
Q412	6E	R118	2B	R409	7E	R484	4D	R854	3E	C226	2C	C434	7E	C832	5D
Q413	8D	R119	2B	R410	6E	R485	5D	R857	4F	C227	4C	C435	7D	C833	4D
Q414	7C	R120	2B	R411	7E	R486	4D	R859	3E	C228	3C	C436	7D	C834	4D
Q415	7C	R121	2B	R413	7E	R487	5D	R860	6F	C229	4D	C437	8E	C835	4D
Q417	5D	R122	2B	R414	6E	R488	4D	R862	5F	C230	3D	C438	6C	C836	5D
Q418	4D	R123	2B	R415	6E	R489	7B	R863	5F	C231	5C	C439	7C	C837	4D
Q419	5D	R124	2B	R417	6E	R490	8B	R864	5F	C232	3D	C440	7C	C838	4D
Q420	4D	R125	2B	R418	6D	R491	5D	R870	4F	C233	5D	C443	7E	C839	4E
Q421	7D	R126	3B	R419	6E	R492	4D	R871	4F	C234	3D	C444	6F	C840	4D
Q422	7B	R127	3B	R420	6E	R493	7D	R872	3F	C235	5C	C445	7C	C841	3D
Q423	7C	R128	3B	R421	7E	R496	8D	R873	3F	C236	3D	C446	7C	C842	4E
Q424	8C	R201	5B	R422	6E	R497	8B	R874	3E	C237	3C	C447	7D	C843	3E
Q425	8C	R202	5B	R423	7E	R498	8B	R875	3E	C238	3C	C450	3B	C844	3D
Q501	7E	R203	6B	R424	7E	R499	8C	R876	3E	C239	3C	C451	6F	C845	3D
Q801	4F	R204	6B	R425	8C	R500	8D	R877	3E	C240	5C	C452	6F	C846	3D
Q802	5E	R205	7B	R426	7C	R501	6F	R878	3F	C241	5C	C453	7F	C847	3E
D201	2D	R206	7B	R427	8E	R502	6E	R879	2E	C242	3D	C454	7F	C848	3E
D202	5C	R207	6C	R428	8E	R503	8E	R880	2E	C243	3D	C455	6F	C849	6F
D203	7B	R208	6B	R429	7E	R504	8E	R892	6F	C244	3D	C458	6C	C850	6F
D204	7B	R209	5B	R430	7E	R505	7E	R893	3E	C245	3D	C460	6F	C851	6E
D401	6E	R210	5B	R431	7E	R506	7E	R894	3F	C246	3D	C461	6C	C852	4E
D402	8E	R211	6B	R433	7E	R507	7F	R895	3E	C247	2D	C462	7C	C853	4E
D404	8B	R212	7B	R435	7E	R508	6E	R896	3E	C250	7B	C463	6C	C854	3F
D405	5B	R213	4C	R437	6C	R513	7E	R897	3E	C251	4D	C464	8C	C855	3D
D406	5C	R214	3C	R438	6C	R514	7E	R898	3E	C252	2C	C465	8D	C856	2E
D501	6E	R215	5D	R439	6C	R801	5F	C101	4B	C253	2D	C466	8E	C864	2E
D502	8E	R216	3D	R440	7D	R803	3E	C102	4B	C254	6B	C467	8B	C865	2E
D503	8E	R217	5C	R441	7D	R804	3E	C103	3B	C255	6B	C468	8B	C866	3F
D504	8D	R218	3D	R442	7D	R805	3F	C104	3B	C256	6B	C469	7C	C867	3E
D505	8C	R219	5D	R445	8D	R806	3F	C107	4B	C257	6B	C470	6D	C868	3F
D804	5E	R220	3D	R446	8D	R807	4F	C108	4B	C258	7B	C471	7D	C869	3E
D805	5F	R221	4C	R447	7D	R808	5E	C110	3B	C259	7B	C472	6F	C870	2F
D806	5E	R222	4C	R448	7D	R809	5E	C111	1B	C261	2F	C473	6C	C871	3E
D807	5E	R231	4C	R449	7D	R810	5E	C112	2B	C262	4C	C474	6C	C872	3E
D808	6F	R232	3C	R450	7D	R813	5E	C113	2B	C263	8F	C501	8E	C873	3E
L401	7C	R233	3B	R451	7E	R814	4F	C114	2B	C276	8C	C502	7F	C874	3E
L402	7C	R234	3B	R452	8D	R815	5E	C115	2B	C401	7D	C503	8E	C881	4E
L801	4E	R235	3B	R453	7D	R816	4E	C116	3B	C402	6D	C505	7F	C892	4E
L802	5F	R236	4C	R454	8D	R817	3E	C117	4B	C403	7D	C801	5F		
X801	3E	R237	4C	R455	7E	R818	3E	C118	2B	C404	7D	C802	6F		
X802	6E	R238	4C	R456	6C	R819	3D	C119	3B	C405	7C	C803	3E		
CN201	7B	R239	4C	R457	7C	R820	3D	C120	2B	C406	7C	C804	3E		
CN202	6B	R240	7B	R458	7C	R821	3E	C201	6B	C407	7D	C805	3E		
JK101	4A	R241	5C	R459	7C	R822	3E	C202	6B	C408	6D	C806	3E		

■ Type Illustration of IC's, Transistors and Diodes

BU4053BCFE2 16PIN M5218AFPE3 8PIN M62444FPE1 42PIN M62457FPE1 16PIN 		M5218AP 	TC9472F-001 	M38B57MC131F M62433AFP 	NJM78M05FA 
T87CH47U4C31 	2SC3311ATA UN4115TA UN4211TA 		2SB621AQRSTA 	2SC3940AQSTA 	2SD2137PQTA 
2SD2144STA 	MA4051LTA MA4062HTA MA4082LTA 	MA165TA 1SS291TA 	MA719TA 	LNJ301MPUJAD 	SML79455C 

■ Wiring Connection Diagram



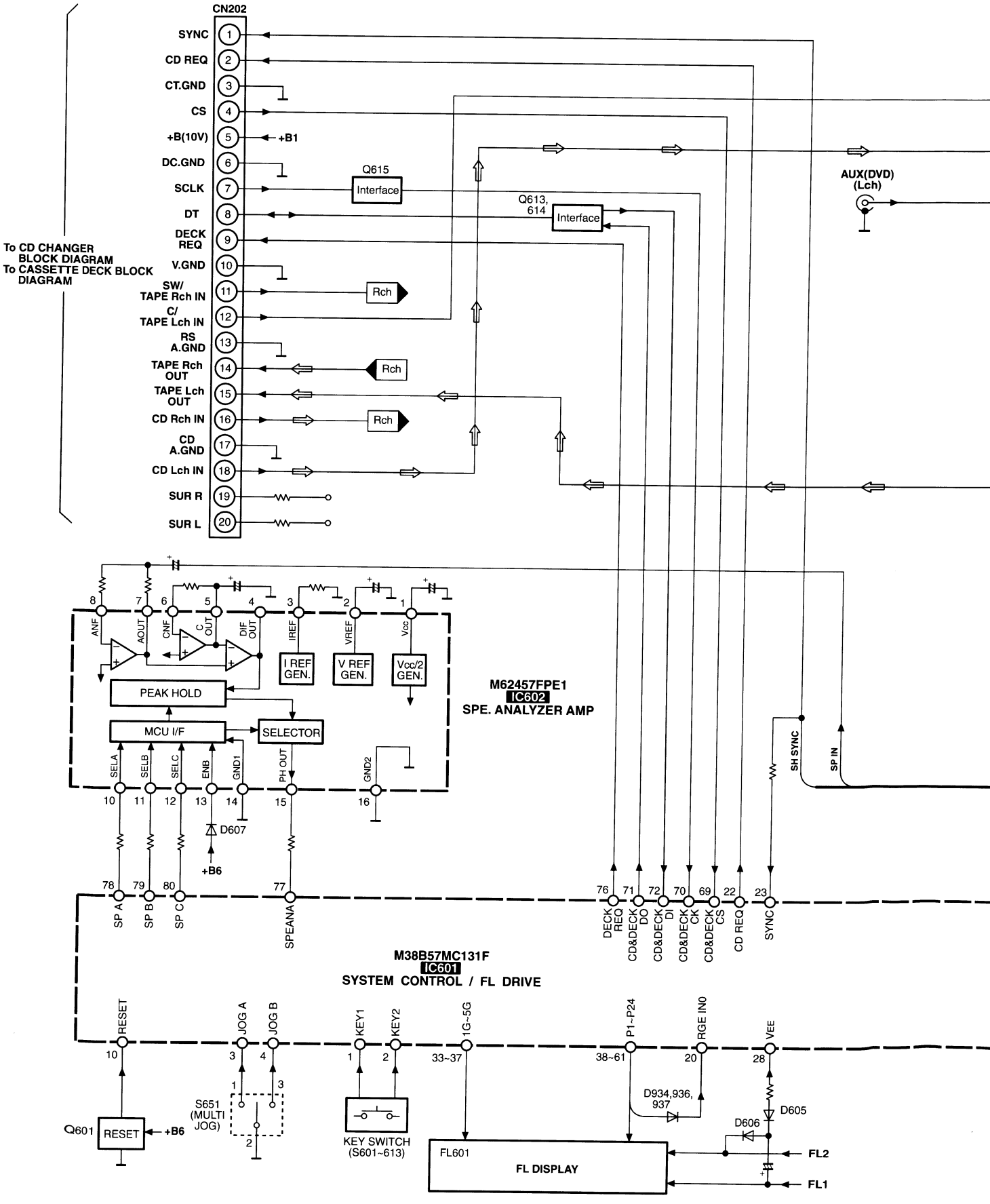
■ Terminal Function of IC's

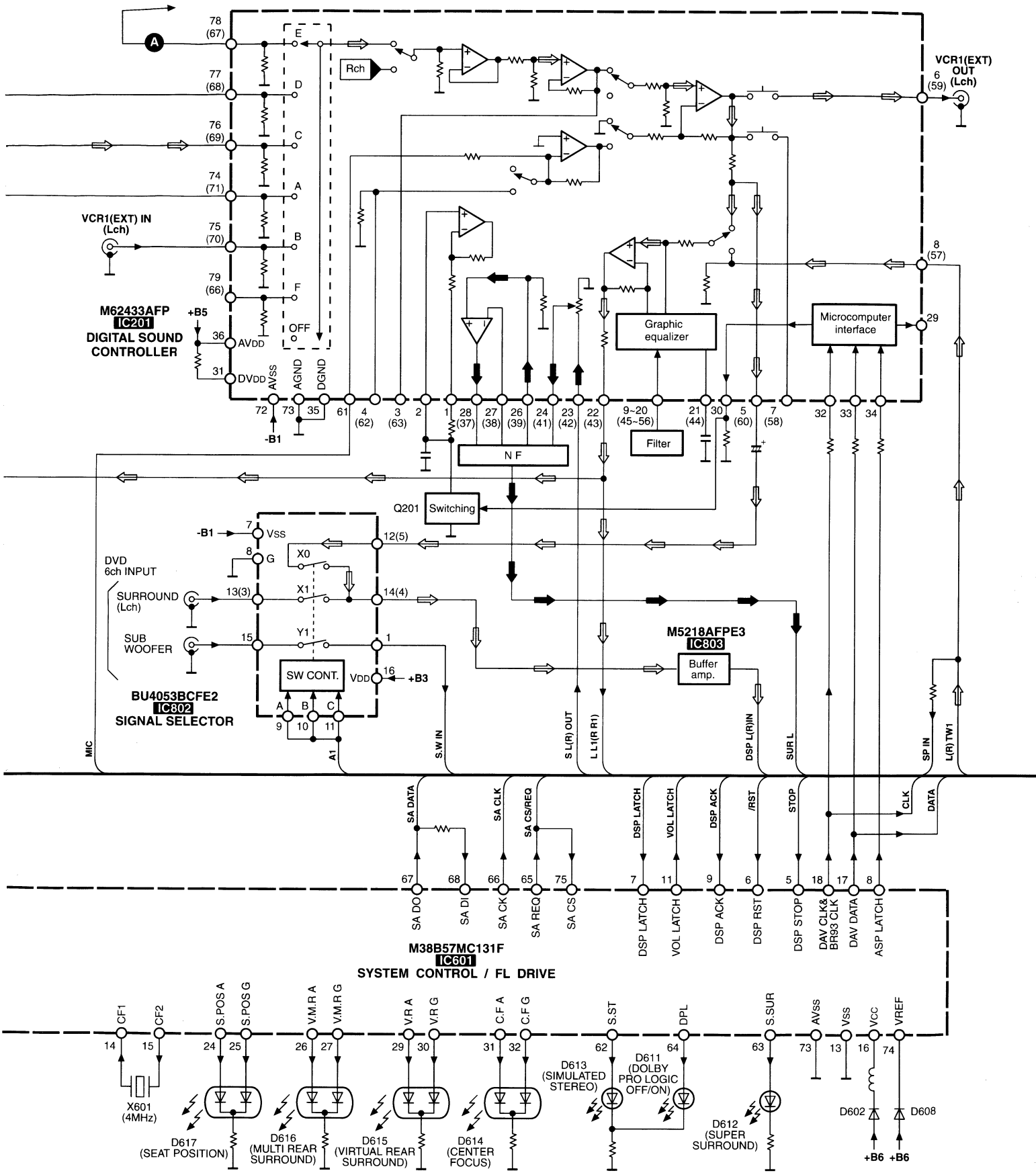
• IC601 (M38B57MC131F) : System Control/ FL Drive

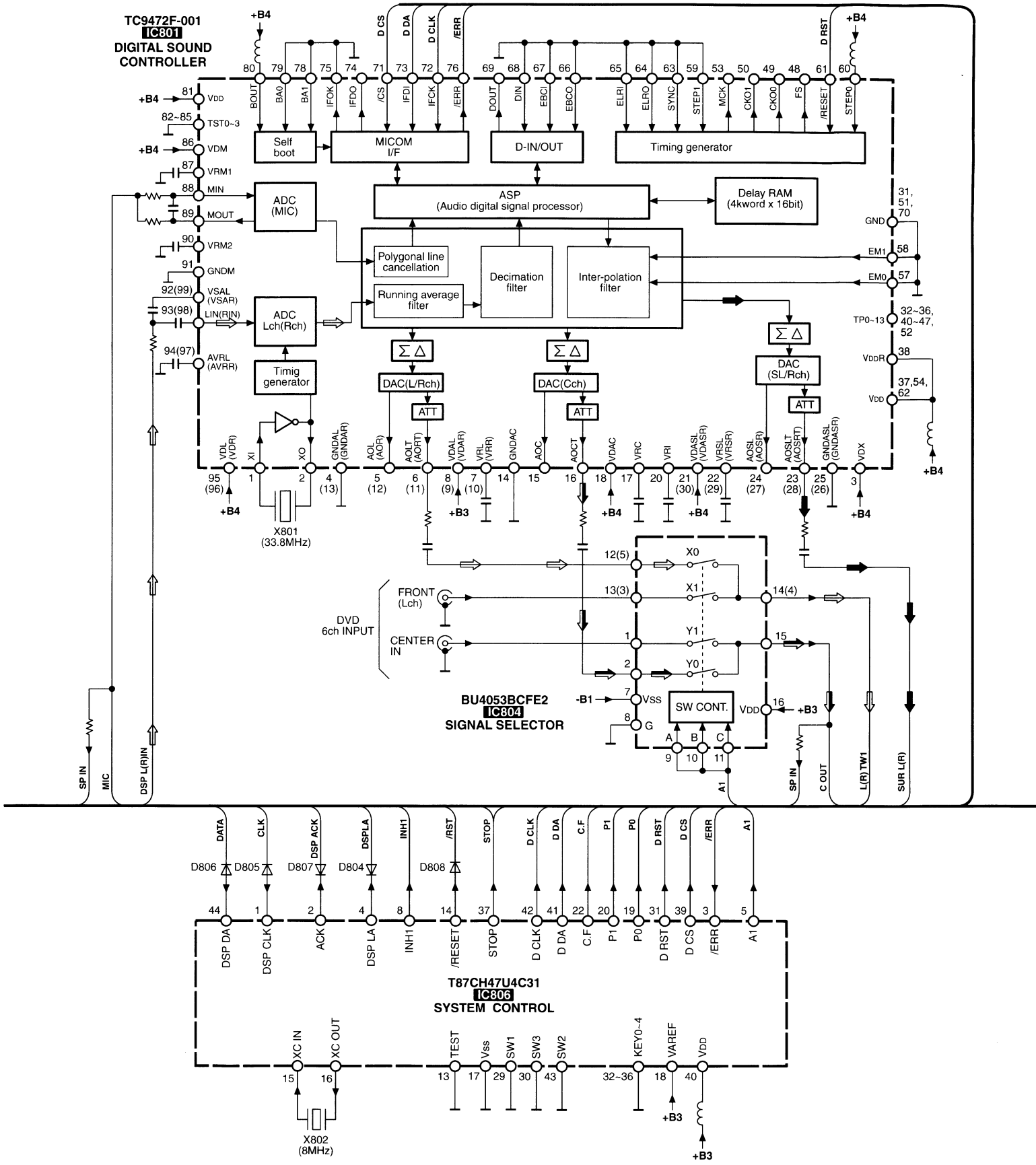
Pin No.	Terminal Name	I/O	Function
1	KEY1	I	Operation key signal input
2	KEY2	I	Operation key signal input
3	JOGA	I	JOG A signal input
4	JOGB	I	JOG B signal input
5	DSP STOP	I	Stop signal input for IC806
6	DSP RST	I	Reset signal input for IC806
7	DSP LATCH	I	Latch signal input for IC806
8	ASP LATCH	O	Latch signal output for IC201
9	DSP ACK	I	Acknowledge signal input for IC806
10	RESET	I	System reset signal input
11	VOL LATCH XT1	O	Latch signal output for IC401
12	XT2	–	EEPROM chip select signal (Not used)
13	Vss	—	GND terminal
14	CF1	I	Oscillator connected terminal (4 MHz)
15	CF2	O	
16	Vcc	I	Power supply (+5 V) terminal
17	DAV DATA	O	Volume data signal output
18	DAV CLK& BR93 CLK	O	Volume clock signal output
19	BR93 DATA	–	EEPROM data input (Not used)
20	RGEIN0	I	Destination select signal input
21	RGEIN1	I	Destination select signal input
22	CD REQ	O	CD serial data request signal output
23	SYNC	I	Power failure detect signal input
24	S. POS A	O	ORANGE LED (SEAT POSITION) signal output
25	S. POS G	O	GREEN LED (SEAT POSITION) signal output
26	V.M.R A	O	ORANGE LED (MULTI REAR) signal output
27	V.M.R G	O	GREEN LED (MULTI REAR) signal output

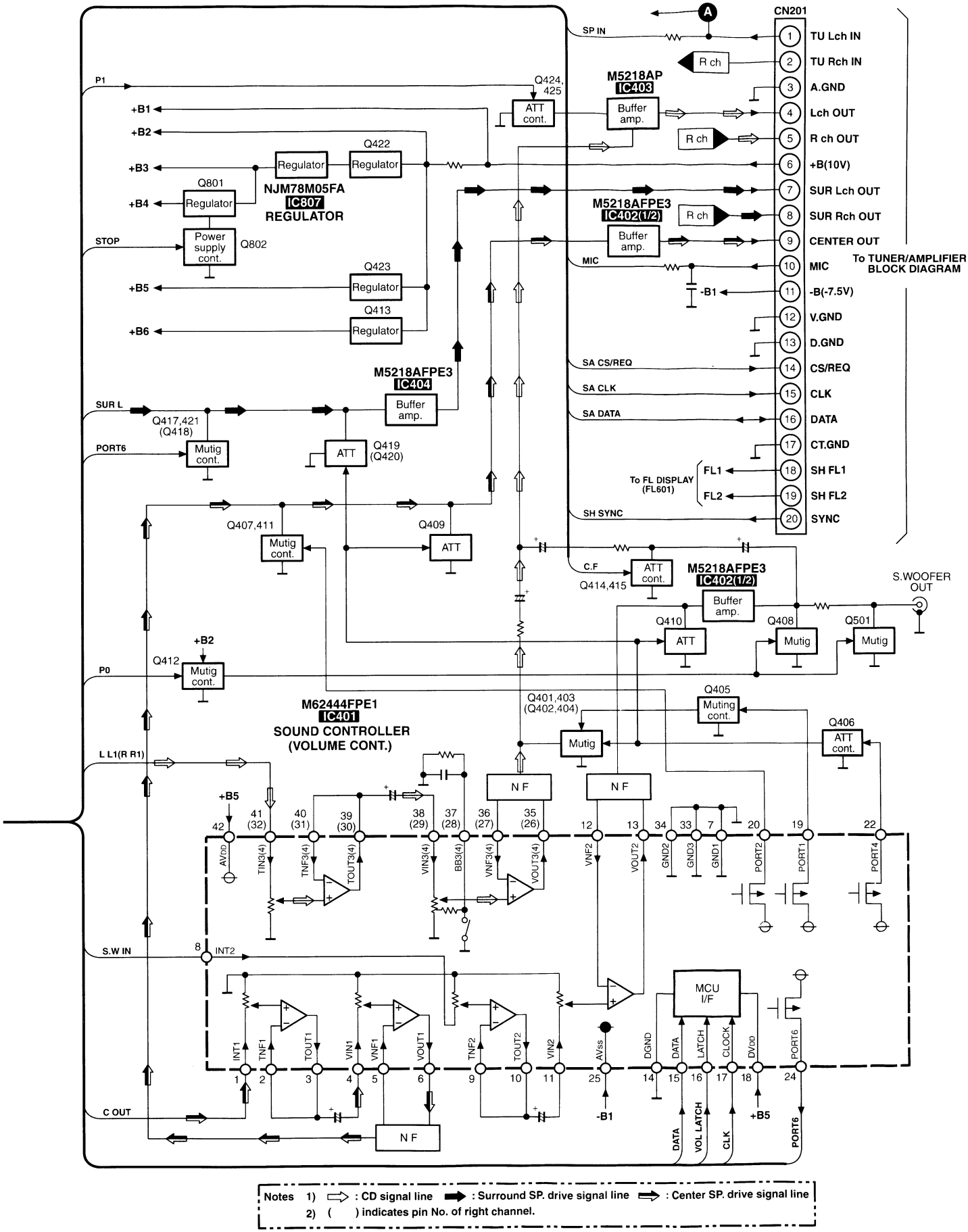
Pin No.	Terminal Name	I/O	Function
28	VEE	I	Power supply (–24.8 V) terminal
29	V.R A	O	ORANGE LED (VIRTUAL REAR) signal output
30	V.R G	O	GREEN LED (VIRTUAL REAR) signal output
31	C.F A	O	ORANGE LED (CENTER FOCUS) signal output
32	C.F G	O	GREEN LED (CENTER FOCUS) signal output
33~37	5G~1G	O	Grid signal output
38~61	P24~P1	O	Segment signal output
62	S.ST	O	LED (SIMULATED STEREO) signal output
63	S.SUR	O	LED (SUPER SURROUND STEREO) signal output
64	DPL	O	LED (DOLBY PRO LOGIC) signal output
65	SA REQ	O	Request signal output for Tuner/Amplifier
66	SA CK	O	Serial communication signal to Tuner/Amplifier (Clock signal output)
67	SA DO	O	Serial communication signal to Tuner/Amplifier (Data signal output)
68	SA DI	I	Serial communication signal to Tuner/Amplifier (Data signal input)
69	CD&DECK CS	I	Serial data communication starting signal input (CD and Deck mechanism)
70	CD&DECK CK	I	Clock signal input (CD and Deck mechanism)
71	CD&DECK DO	O	Data signal output (CD and Deck mechanism)
72	CD&DECK DI	I	Data signal input (CD and Deck mechanism)
73	AVss	–	GND terminal
74	VREF	I	Reference voltage input
75	SA CS	I	Chip select signal input terminal
76	DECK REQ	O	Serial data request signal output for Deck mechanism
77	SPEANA	I	A/D signal input for IC602
78	SP A	O	Band select signal output for IC602
79	SP B		
80	SP C		

■ Block Diagram




VCR1(EXT) IN (Lch)
VCR1(EXT) OUT (Lch)
M62433AFP
IC201
DIGITAL SOUND CONTROLLER
Rch
Graphic equalizer
Microcomputer interface
Filter
N F
Switching
Q201
OFF
DVD 6ch INPUT
SURROUND (Lch)
SUB WOOFER
BU4053BCFE2
IC802
SIGNAL SELECTOR
SW CONT.
M5218AFPE3
IC803
Buffer amp.
M38B57MC131F
IC601
SYSTEM CONTROL / FL DRIVE
X601 (4MHz)
D617 (SEAT POSITION)
D616 (MULTI REAR SURROUND)
D615 (VIRTUAL REAR SURROUND)
D614 (CENTER FOCUS)
D613 (SIMULATED STEREO)
D611 (DOLBY PRO LOGIC OFF/ON)
D612 (SUPER SURROUND)
D602
D608
+B6
+B5
+B3
-B1
MIC
S.W IN
S L(R) OUT
L L1(R R1)
DSP L(R)IN
SUR L
SP IN
L(R) TW1
SA DATA
SA CLK
SA CS/REQ
DSP LATCH
VOL LATCH
DSP ACK
/RST
STOP
CLK
DATA
SA DO
SA DI
SA CK
SA REQ
SA CS
DSP RST
DSP STOP
DAV CLK& BR93 CLK
DAV DATA
ASP LATCH
CF1
CF2
S.POS A
S.POS G
V.M.R A
V.M.R G
V.R A
V.R G
C.F A
C.F G
S.ST
DPL
S.SUR
AVss
Vss
Vcc
VREF


TC9472F-001
IC801
DIGITAL SOUND CONTROLLER
Self boot
MICOM I/F
D-IN/OUT
Timing generator
ASP (Audio digital signal processor)
Delay RAM (4kword x 16bit)
ADC (MIC)
ADC Lch(Rch)
Timig generator
Polygonal line cancellation
Running average filter
Decimation filter
Inter-polation filter
DAC(L/Rch)
DAC(Cch)
DAC (SL/Rch)
ATT
X801 (33.8MHz)
DVD 6ch INPUT
FRONT (Lch)
CENTER IN
BU4053BCFE2
IC804
SIGNAL SELECTOR
SW CONT.
SP IN
MIC
DSP L(R)IN
C OUT
L(R) TW1
SUR L(R)
T87CH47U4C31
IC806
SYSTEM CONTROL
X802 (8MHz)



Notes 1) ⇨ : CD signal line ➡ : Surround SP. drive signal line ⇨ : Center SP. drive signal line
2) ( ) indicates pin No. of right channel.

■ Replacement Parts List

Notes: * Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-(resistors), etc. are used. When replacing any of components, be sure to use only manufacture's specified parts shown in the parts list.
* ALL parts are supplied by MESA.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	RKM0400-S	TOP CABINET	1	
2	RHD30007-K1	SCREW	4	
3	XTB3+8JFZ	SCREW	13	
4	RKA0105-K	RUBBER	4	
5	RKA0106-N	FOOT RING	4	
6	RYP0911-S	FRONT PANEL ASS'Y	1	
6-1	RGB0025-A	TECHNICS BADGE	1	
6-2	RKW0576-V1	FL WINDOW	1	
C101-04	ECBT1H101KB5	50V 100P	4	
C107,08	ECBT1H101KB5	50V 100P	2	
C110	ECBT1H102KB5	50V 1000P	1	
C111-16	ECBT1H101KB5	50V 100P	6	
C117,18	ECBT1H102KB5	50V 1000P	2	
C119	ECBT1H101KB5	50V 100P	1	
C120	ECBT1H102KB5	50V 1000P	1	
C201-04	ECBT1H101KB5	50V 100P	4	
C205,06	RCE1CKA100BG	16V 10U	2	
C207,08	ECEA1HKS2R2	50V 2.2U	2	
C209,10	ECEA1HKAR22B	50V 0.22U	2	
C211-14	ECFR1C823MR	16V 0.082U	4	
C215,16	ECFR1C393KR	16V 0.039U	2	
C217,18	ECFR1C223KR	16V 0.022U	2	
C219,20	ECBT1C332KR5	16V 3300P	2	
C221,22	ECBT1C682KR5	16V 6800P	2	
C223,24	ECBT1H102KB5	50V 1000P	2	
C225,26	ECBT1C332KR5	16V 3300P	2	
C227,28	RCE1CKA100BG	16V 10U	2	
C229,30	ECBT1H102KB5	50V 1000P	2	
C231,32	ECEA1HKS2R2	50V 2.2U	2	
C233,34	ECBT1H151KB5	50V 150P	2	
C235,36	RCE1AKA470BG	10V 47U	2	
C237	ECBT1H221KB5	50V 220P	1	
C238	ECBT1C152KR5	16V 1500P	1	
C239	ECEA1HKS0R1	50V 0.1U	1	
C240	ECA1AM331	10V 330U	1	
C241	ECBT1H102KB5	50V 1000P	1	
C242,43	ECBT1H104ZF5	50V 0.1U	2	
C244-46	ECBT1H470J5	50V 47P	3	
C247	ECBT1H104ZF5	50V 0.1U	1	
C250	ECBT1H101KB5	50V 100P	1	
C251,52	ECBA1H681KB5	50V 680P	2	
C253	ECA1AM331	10V 330U	1	
C254-59	ECBT1H101KB5	50V 100P	6	
C261	ECEA1CKS101	16V 100U	1	
C262,63	ECBT1H102KB5	50V 1000P	2	
C276	ECEA1CKS220	16V 22U	1	
C401	RCE1CKA100BG	16V 10U	1	
C402	ECEA1HKS010	50V 1U	1	
C403,04	RCE1CKA100BG	16V 10U	2	
C405,06	ECBT1E103ZF	25V 0.01U	2	
C407,08	ECBT1H221KB5	50V 220P	2	
C409,10	ECQV1H154JM3	50V 0.15U	2	
C411,12	RCE1CKA100BG	16V 10U	2	
C413,14	ECEA1CKS330	16V 33U	2	
C415-18	RCE1CKA100BG	16V 10U	4	
C419,20	ECBT1H221KB5	50V 220P	2	
C421,22	ECBT1H101KB5	50V 100P	2	
C423,24	ECEA1CKS330	16V 33U	2	
C425-27	ECBT1H470J5	50V 47P	3	
C428	ECBT1E103ZF	25V 0.01U	1	
C429	ECBT1H104ZF5	50V 0.1U	1	
C430	ECBT1H101KB5	50V 100P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C433	RCE1HKA3R3BG	50V 3.3U	1	
C434	ECEA1CKS220	16V 22U	1	
C435,36	RCE1CKA100BG	16V 10U	2	
C437	ECEA0JKS101	6.3V 100U	1	
C438	ECBT1H101KB5	50V 100P	1	
C439,40	ECBT1H470J5	50V 47P	2	
C443,44	RCE1CKA100BG	16V 10U	2	
C445,46	RCE1CKA470BG	16V 47U	2	
C447	RCE1HKA3R3BG	50V 3.3U	1	
C450	RCE1CKA100BG	16V 10U	1	
C451,52	ECBT1H101KB5	50V 100P	2	
C453	ECBT1H330J5	50V 33P	1	
C454,55	ECBT1H101KB5	50V 100P	2	
C458	RCE1CKA100BG	16V 10U	1	
C460	ECEA1CKS220	16V 22U	1	
C461,62	RCE1CKA100BG	16V 10U	2	
C463	RCE1HKA3R3BG	50V 3.3U	1	
C464	ECEA1CKS220	16V 22U	1	
C465	ECBT1E103ZF	25V 0.01U	1	
C466	RCE1CKA100BG	16V 10U	1	
C467	ECBT1E103ZF	25V 0.01U	1	
C468	ECEA1AKS221	10V 220U	1	
C469-74	ECBT1E103ZF	25V 0.01U	6	
C501	RCE1HKAR47BG	50V 0.47U	1	
C502	ECEA1CKS330	16V 33U	1	
C503	ECEA1AKS221	6.3V 220U	1	
C505	RCE1CKA470BG	16V 47U	1	
C602	ECEA0JKS101	6.3V 100U	1	
C606	ECEA1HKS3R3	50V 3.3U	1	
C608	ECEA1HKS3R3	50V 3.3U	1	
C609	ECEA1VKA330B	35V 33U	1	
C613	ECBT1H101KB5	50V 100P	1	
C614	ECBT1H104ZF5	50V 0.1U	1	
C615	RCE1AM102BV	10V 1000U	1	
C616	ECBT1H221KB5	50V 220P	1	
C617	ECBT1E103ZF	25V 0.01U	1	
C619	RCE1HKA3R3BG	50V 3.3U	1	
C620	RCE1CKA100BG	16V 10U	1	
C621-24	ECEA1HKS0R1	50V 0.1U	4	
C625,26	ECBT1E103ZF	25V 0.01U	2	
C627	ECBT1H223KB5	50V 0.022U	1	
C628	ECEA1VKA330B	35V 33U	1	
C629	RCE1CKA100BG	16V 10U	1	
C630	ECEA0JKS101	6.3V 100U	1	
C671	ECBT1E103ZF	25V 0.01U	1	
C672,73	ECBT1H102KB5	50V 1000P	2	
C801	ECEA0JM471B	6.3V 470U	1	
C802	RCE1AKA470BG	10V 47U	1	
C803,04	ECBT1C222KR5	16V 2200P	2	
C805,06	RCE1HKA4R7BG	50V 4.7U	2	
C807,08	RCE1CKA100BG	16V 10U	2	
C809	RCE1HKA4R7BG	50V 4.7U	1	
C810	ECBT1H104ZF5	50V 0.1U	1	
C811	ECBT1C222KR5	16V 2200P	1	
C812,13	ECEA0JKS470	6.3V 47U	2	
C814	ECBT1H471KB5	50V 470P	1	
C815	ECEA0JKS470	6.3V 47U	1	
C818	EEAFC0J101B	6.3V 100U	1	
C819	ECEA0JKS101	6.3V 100U	1	
C820	ECEA1AKS221	6.3V 220U	1	
C821	ECBT1H4R7KC5	50V 4.7P	1	
C822	ECBT1H120JC5	50V 12P	1	
C823,24	ECBT1H223KB5	50V 0.022U	2	
C825,26	ECBT1C222KR5	16V 2200P	2	
C827,28	ECEA1HKS010	50V 1U	2	
C829,30	ECEA0JKS470	6.3V 47U	2	
C831,32	ECBT1H223KB5	50V 0.022U	2	
C834	ECBT1C222KR5	16V 2200P	1	
C835,36	ECEA1HKS010	50V 1U	2	
C837-40	ECBT1E103ZF	25V 0.01U	4	
C841	ECBT1H223KB5	50V 0.022U	1	
C842	ECBT1C222KR5	16V 2200P	1	
C843	ECEA1HKS010	50V 1U	1	
C844-48	ECEA0JKS470	6.3V 47U	5	
C849	ECBT1E103ZF	25V 0.01U	1	
C850	ECEA0JKS101	6.3V 100U	1	
C851	ECBT1E103ZF	25V 0.01U	1	
C852	ECBT1H561KB5	50V 560P	1	

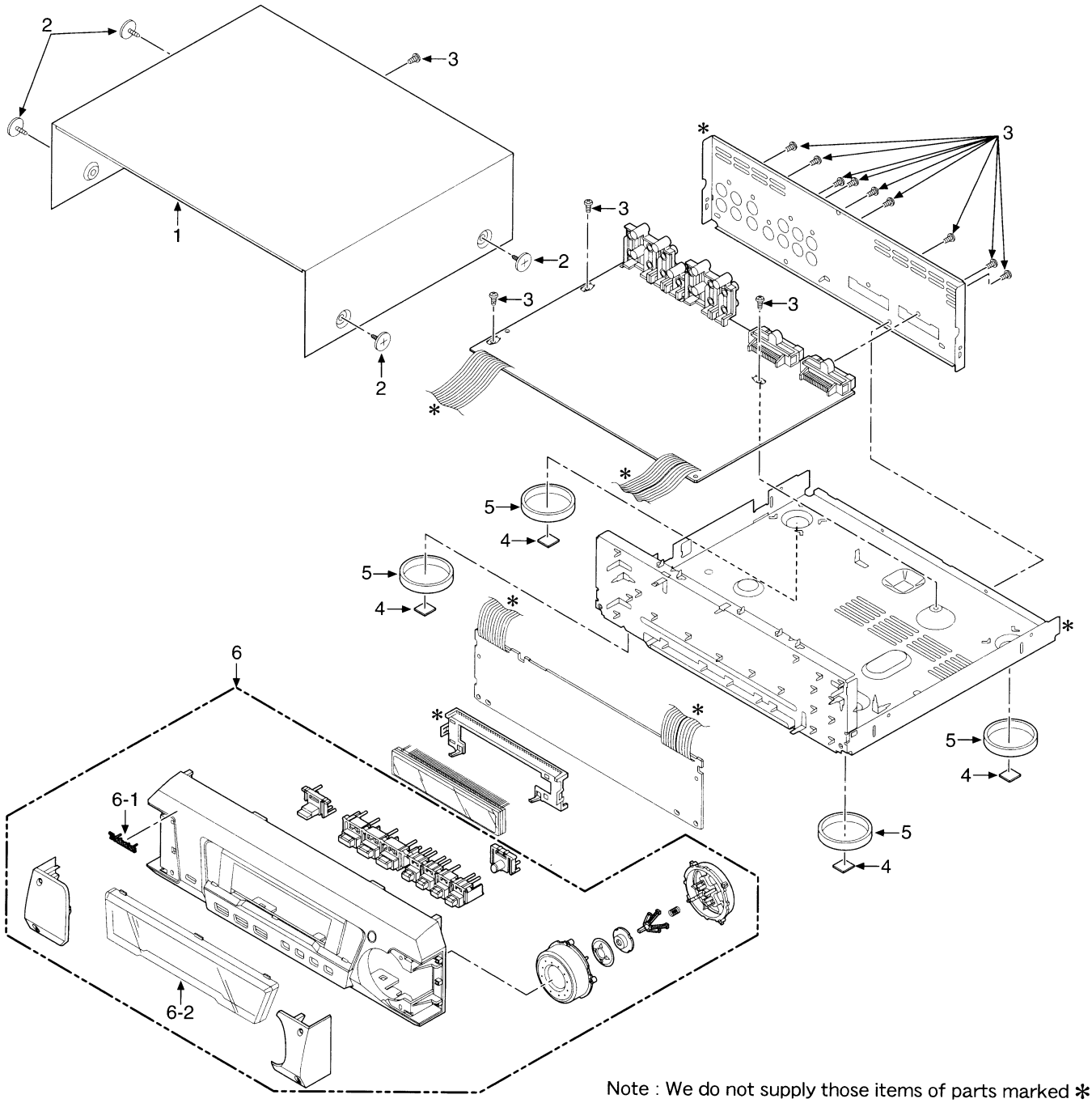
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C853	EEAFC0J101B	6.3V 100U	1	
C854	RCE1CKA470BG	16V 47U	1	
C855,56	ECBT1H104ZF5	50V 0.1U	2	
C864,65	ECBT1H104ZF5	50V 0.1U	2	
C866	ECBT1E103ZF	25V 0.01U	1	
C867,68	ECBT1H330J5	50V 33P	2	
C869,70	ECBT1H102KB5	50V 1000P	2	
C871	ECBT1C222KR5	16V 2200P	1	
C872	ECBT1C222KR5	16V 2200P	1	
C873,74	RCE1CKA100BG	16V 10U	2	
C881	ECBT1E103ZF	25V 0.01U	1	
C892	ECBT1H104ZF5	50V 0.1U	1	
C833	ECBT1C222KR5	16V 2200P	1	
CN201	RJT065A20	CONNECTOR(20P)	1	
CN202	RJT065K20	CONNECTOR(20P)	1	
⚠ D201	MA4051-L	DIODE	1	
D202-04	MA165	DIODE	3	
⚠ D401	MA4051-L	DIODE	1	
⚠ D402	MA4062H	DIODE	1	
⚠ D404	MA4082LTA	DIODE	1	
D405,06	MA719TA	DIODE	2	
D501	MA4051-L	DIODE	1	
D502-05	MA165	DIODE	4	
D601	MA165	DIODE	1	
D602	1SS291TA	DIODE	1	
D603-07	MA165	DIODE	5	
D608	1SS291TA	DIODE	1	
D611-13	LNJ301MPUJAD	LED	3	
D614-17	SML79455C	LED	4	
D804-08	MA165	DIODE	5	
D906,07	MA165	DIODE	2	
D934	MA165	DIODE	1	
D936,37	MA165	DIODE	2	
FL601	RSL0284-F	FL	1	
IC201	M62433AFP	IC	1	
IC401	M62444FPE1	IC	1	
IC402	M5218AFPE3	IC	1	
IC403	M5218AP	IC	1	
IC404	M5218AFPE3	IC	1	
IC601	M38B57MC131F	IC	1	
IC602	M62457FPE1	IC	1	
IC801	TC9472F-001	IC	1	
IC802	BU4053BCFE2	IC	1	
IC803	M5218AFPE3	IC	1	
IC804	BU4053BCFE2	IC	1	
IC806	T87CH47U4C31	IC	1	
⚠ IC807	NJM78M05FA	IC	1	
JK101	SJF3068-7N	JACK,AUX(DVD)	1	
JK102	SJF3069-5N	JACK,VCR(EXT) IN/OUT	1	
JK103	SJFD7	JACK,SUB WOOFER OUT	1	
JK104	SJF3069-5N	JACK,FRONT SURROUND	1	
JK105	SJF3068-3N	JACK,CENTER,SUB WOOFER	1	
L401,02	RLQA1R0JT1-Y	COIL	2	
L601	RLQA100JT1-Y	COIL	1	
L801	RLQA3R3JT1-Y	COIL	1	
L802	RLQA100JT1-Y	COIL	1	
Q201	2SC3311ATA	TRANSISTOR	1	
Q401-04	2SC3327A	TRANSISTOR	4	
Q405,06	UN4115	TRANSISTOR	2	
Q407,08	2SC3311ATA	TRANSISTOR	2	
Q409,10	2SC3327A	TRANSISTOR	2	
Q411,12	UN4115	TRANSISTOR	2	
Q413	2SC3940AQSTA	TRANSISTOR	1	
Q414	2SC3327A	TRANSISTOR	1	
Q415	UN4115	TRANSISTOR	1	
Q417-20	2SC3327A	TRANSISTOR	4	
Q421	UN4115	TRANSISTOR	1	
Q422,23	2SD2137PQTA	TRANSISTOR	2	
Q424	UN4115	TRANSISTOR	1	
Q425	2SC3327A	TRANSISTOR	1	
Q501	2SC3327A	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q601	UN4211	TRANSISTOR	1	
Q613-15	2SC3311ATA	TRANSISTOR	3	
Q801	2SB621A-R	TRANSISTOR	1	
Q802	UN4211	TRANSISTOR	1	
R101,02	ERDS2FJ104	1/4W 100K	2	
R103,04	ERDS2FJ102	1/4W 1K	2	
R105,06	ERDS2FJ123	1/4W 12K	2	
R107,08	ERDS2FJ332	1/4W 3.3K	2	
R111,12	ERDS2FJ332	1/4W 3.3K	2	
R113,14	ERDS2FJ123	1/4W 12K	2	
R115,16	ERDS2FJ822	1/4W 8.2K	2	
R117,18	ERDS2FJ103	1/4W 10K	2	
R119,20	ERDS2FJ682	1/4W 6.8K	2	
R121,22	ERDS2FJ123	1/4W 12K	2	
R123,24	ERDS2FJ103	1/4W 10K	2	
R125	ERDS2FJ562	1/4W 5.6K	1	
R126	ERDS2FJ101	1/4W 100	1	
R127	ERDS2FJ104	1/4W 100K	1	
R128	ERDS2FJ102	1/4W 1K	1	
R201-04	ERDS2FJ102	1/4W 1K	4	
R205,06	ERDS2FJ221	1/4W 220	2	
R207,08	ERDS2FJ682	1/4W 6.8K	2	
R209-12	ERDS2FJ103	1/4W 10K	4	
R213,14	ERDS2FJ272	1/4W 2.7K	2	
R215,16	ERDS2FJ332	1/4W 3.3K	2	
R217,18	ERDS2FJ123	1/4W 12K	2	
R219,20	ERDS2FJ222	1/4W 2.2K	2	
R221,22	ERDS2FJ153	1/4W 15K	2	
R231	ERDS2FJ332	1/4W 3.3K	1	
R232	ERDS2FJ153	1/4W 15K	1	
R233	ERDS2FJ103	1/4W 10K	1	
R234	ERDS2FJ183	1/4W 18K	1	
R235	ERDS2FJ223	1/4W 22K	1	
R236	ERDS2FJ122	1/4W 1.2K	1	
R237	ERDS2FJ223	1/4W 22K	1	
R238,39	ERDS2FJ332	1/4W 3.3K	2	
R240	ERDS2FJ102	1/4W 1K	1	
R241	ERDS2FJ103	1/4W 10K	1	
R242	ERDS2FJ4R7	1/4W 4.7	1	
R243	ERDS2FJ333	1/4W 33K	1	
R248-50	ERDS2FJ222	1/4W 2.2K	3	
⚠ R251	ERD2FCJ4R7	1/4W 4.7	1	
R252	ERDS2FJ271	1/4W 270	1	
R253,54	ERDS2FJ102	1/4W 1K	2	
R261-64	ERDS2FJ104	1/4W 100K	4	
R265,66	ERDS2FJ563	1/4W 56K	2	
R401,02	ERDS2FJ123	1/4W 12K	2	
R403,04	ERDS2FJ392	1/4W 3.9K	2	
R405,06	ERDS2FJ332	1/4W 3.3K	2	
R407,08	ERDS2FJ123	1/4W 12K	2	
R409,10	ERDS2FJ332	1/4W 3.3K	2	
R411	ERDS2FJ223	1/4W 22K	1	
R413-15	ERDS2FJ223	1/4W 22K	3	
R417-19	ERDS2FJ222	1/4W 2.2K	3	
R420	ERDS2FJ271	1/4W 270	1	
R421,22	ERDS2FJ222	1/4W 2.2K	2	
R423	ERDS2FJ681	1/4W 680	1	
R424	ERDS2FJ102	1/4W 1K	1	
R425	ERDS2FJ104	1/4W 100K	1	
R426	ERDS2FJ105	1/4W 1M	1	
R427,28	ERDS2FJ102	1/4W 1K	2	
R429,30	ERDS2FJ104	1/4W 100K	2	
R431	ERDS2FJ121	1/4W 120	1	
R433	ERDS2FJ105	1/4W 1M	1	
R435	ERDS2FJ102	1/4W 1K	1	
R437,38	ERDS2FJ221	1/4W 220	2	
R439,40	ERDS2FJ222	1/4W 2.2K	2	
R441,42	ERDS2FJ821	1/4W 820	2	
R445,46	ERDS2FJ102	1/4W 1K	2	
R447,48	ERDS2FJ104	1/4W 100K	2	
R449,50	ERDS2FJ121	1/4W 120	2	
R451	ERDS2FJ334	1/4W 330K	1	
R452	ERDS2FJ104	1/4W 100K	1	
R453	ERDS2FJ222	1/4W 2.2K	1	
⚠ R454	ERD2FCJ4R7	1/4W 4.7	1	
R455	ERDS2FJ153	1/4W 15K	1	
R456	ERDS2FJ332	1/4W 3.3K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R457	ERDS2FJ102	1/4W 1K	1	
R458,59	ERDS2FJ682	1/4W 6.8K	2	
R460	ERDS2FJ562	1/4W 5.6K	1	
R461	ERDS2FJ392	1/4W 3.9K	1	
R462,63	ERDS2FJ563	1/4W 56K	2	
R464	ERDS2FJ562	1/4W 5.6K	1	
R465,66	ERDS2FJ104	1/4W 100K	2	
R467,68	ERDS2FJ332	1/4W 3.3K	2	
R469,70	ERDS2FJ333	1/4W 33K	2	
R471,72	ERDS2FJ104	1/4W 100K	2	
R473	ERDS2FJ472	1/4W 4.7K	1	
R474	ERDS2FJ272	1/4W 2.7K	1	
R475	ERDS2FJ683	1/4W 68K	1	
R476	ERDS2FJ223	1/4W 22K	1	
R477	ERDS2FJ562	1/4W 5.6K	1	
R478	ERDS2FJ104	1/4W 100K	1	
R479,80	ERDS2FJ473	1/4W 47K	2	
R481	ERDS2FJ102	1/4W 1K	1	
R483,84	ERDS2FJ102	1/4W 1K	2	
R485,86	ERDS2FJ104	1/4W 100K	2	
R487,88	ERDS2FJ102	1/4W 1K	2	
⚠ R489	ERQ16NKWR33E	1/6W 0.33	1	
R490	ERDS2FJ821	1/4W 820	1	
R491,92	ERDS2FJ121	1/4W 120	2	
R493	ERDS2FJ104	1/4W 100K	1	
R496	ERDS2FJ222	1/4W 2.2K	1	
R497	ERDS2FJ221	1/4W 220	1	
R498	ERDS2FJ473	1/4W 47K	1	
R499	ERDS2FJ472	1/4W 4.7K	1	
R500	ERDS2FJ103	1/4W 10K	1	
R501	ERDS2FJ152	1/4W 1.5K	1	
R502	ERDS2FJ103	1/4W 10K	1	
R503	ERDS2FJ154	1/4W 150K	1	
R504	ERDS2FJ683	1/4W 68K	1	
R505	ERDS2FJ102	1/4W 1K	1	
R506	ERDS2FJ104	1/4W 100K	1	
R507	ERDS2FJ122	1/4W 1.2K	1	
R508	ERDS2FJ152	1/4W 1.5K	1	
R513	ERDS2FJ102	1/4W 1K	1	
R514	ERDS2FJ222	1/4W 2.2K	1	
R601	ERDS2FJ821	1/4W 820	1	
R602	ERDS2FJ102	1/4W 1K	1	
R603	ERDS2FJ122	1/4W 1.2K	1	
R604	ERDS2FJ152	1/4W 1.5K	1	
R605	ERDS2FJ182	1/4W 1.8K	1	
R606,07	ERDS2FJ222	1/4W 2.2K	2	
R608	ERDS2FJ821	1/4W 820	1	
R609	ERDS2FJ102	1/4W 1K	1	
R610	ERDS2FJ122	1/4W 1.2K	1	
R611	ERDS2FJ152	1/4W 1.5K	1	
R612	ERDS2FJ182	1/4W 1.8K	1	
R613,14	ERDS2FJ222	1/4W 2.2K	2	
R615,16	ERDS2FJ104	1/4W 100K	2	
R617	ERDS2FJ181	1/4W 180	1	
R621-25	ERDS2FJ104	1/4W 100K	5	
R626,27	ERDS2FJ562	1/4W 5.6K	2	
R628	ERDS2FJ181	1/4W 180	1	
R629,30	ERDS2FJ101	1/4W 100	2	
R631	ERDS2FJ562	1/4W 5.6K	1	
R632	ERDS2FJ222	1/4W 2.2K	1	
R633	ERDS2FJ101	1/4W 100	1	
R634	ERDS2FJ222	1/4W 2.2K	1	
R635	ERDS2FJ562	1/4W 5.6K	1	
R636-38	ERDS2FJ102	1/4W 1K	3	
R639	ERDS2FJ104	1/4W 100K	1	
R640,41	ERDS2FJ103	1/4W 10K	2	
R642-44	ERDS2FJ102	1/4W 1K	3	
R645	ERDS2FJ221	1/4W 220	1	
R646,47	ERDS2FJ331	1/4W 330	2	
R648,49	ERDS2FJ222	1/4W 2.2K	2	
R650-53	ERDS2FJ102	1/4W 1K	4	
R654-56	ERDS2FJ104	1/4W 100K	3	
R661-64	ERDS2FJ151	1/4W 150	4	
R666,67	ERDS2FJ473	1/4W 47K	2	
R671	ERDS2FJ101	1/4W 100	1	
R672	ERDS2FJ222	1/4W 2.2K	1	
R673	ERDS2FJ102	1/4W 1K	1	
R674	ERDS2FJ104	1/4W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R675	ERDS2FJ102	1/4W 1K	1	
R676	ERDS2FJ223	1/4W 22K	1	
R681	ERDS2FJ473	1/4W 47K	1	
R682,83	ERDS2FJ472	1/4W 4.7K	2	
R684	ERDS2FJ223	1/4W 22K	1	
R685	ERDS2FJ103	1/4W 10K	1	
R686	ERDS2FJ473	1/4W 47K	1	
R687	ERDS2FJ103	1/4W 10K	1	
R688	ERDS2FJ472	1/4W 4.7K	1	
R689,90	ERDS2FJ103	1/4W 10K	2	
R801	ERDS2FJ472	1/4W 4.7K	1	
R803,04	ERDS2FJ102	1/4W 1K	2	
R805	ERDS2FJ224	1/4W 220K	1	
R806,07	ERDS2FJ103	1/4W 10K	2	
R808	ERDS2FJ221	1/4W 220	1	
R809	ERDS2FJ220	1/4W 22	1	
R810	ERDS2FJ221	1/4W 220	1	
R813	ERDS2FJ103	1/4W 10K	1	
R814	ERDS2FJ2R2	1/4W 2.2	1	
R815	ERDS2FJ103	1/4W 10K	1	
R816	ERDS2FJ105	1/4W 1M	1	
R817,18	ERDS2FJ271	1/4W 270	2	
R819,20	ERDS2FJ221	1/4W 220	2	
R821,22	ERDS2FJ104	1/4W 100K	2	
R823-26	ERDS2FJ271	1/4W 270	4	
R827,28	ERDS2FJ221	1/4W 220	2	
R829-31	ERDS2FJ271	1/4W 270	3	
R832	ERDS2FJ221	1/4W 220	1	
R833	ERDS2FJ104	1/4W 100K	1	
R834-37	ERDS2FJ103	1/4W 10K	4	
R838	ERDS2FJ221	1/4W 220	1	
R839,40	ERDS2FJ103	1/4W 10K	2	
R847,48	ERDS2FJ104	1/4W 100K	2	
R849	ERDS2FJ560	1/4W 56	1	
R851	ERDS2FJ391	1/4W 390	1	
R853	ERDS2FJ274	1/4W 270K	1	
R854	ERDS2FJ334	1/4W 330K	1	
R857	ERDS2FJ103	1/4W 10K	1	
R859	ERDS2FJ271	1/4W 270	1	
R860	ERDS2FJ103	1/4W 10K	1	
R862-64	ERDS2FJ101	1/4W 100	3	
R870	ERDS2FJ271	1/4W 270	1	
R871	ERDS2FJ472	1/4W 4.7K	1	
R872	ERDS2FJ332	1/4W 3.3K	1	
R873	ERDS2FJ272	1/4W 2.7K	1	
R874	ERDS2FJ472	1/4W 4.7K	1	
R875,76	ERDS2FJ104	1/4W 100K	2	
R877,78	ERDS2FJ272	1/4W 2.7K	2	
R879,80	ERDS2FJ104	1/4W 100K	2	
⚠ R892	ERQ16NKW2R2E	1/6W 2.2	1	
R893,94	ERDS2FJ223	1/4W 22K	2	
R895,96	ERDS2FJ222	1/4W 2.2K	2	
R897,98	ERDS2FJ682	1/4W 6.8K	2	
S601-08	EVQ11G05R	SW,PUSH	8	
S609	EVQ11G07K	SW,>	1	
S610	EVQ11G07K	SW,UP	1	
S611	EVQ11G07K	SW,<	1	
S612	EVQ11G07K	SW,DOWN	1	
S613	EVQ11G05R	SW,3D AI EQ	1	
S651	ESE24SV1	SW,MULTI JOG	1	
X601	EF0EC4004T4	OSCILLATOR	1	
X801	RSXZ33M8M03T	OSCILLATOR	1	
X802	RSXY8M00D01T	OSCILLATOR	1	

■ Cabinet Parts Location



Note : We do not supply those items of parts marked ✻.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	RKM0400-S	TOP CABINET	1	
2	RHD30007-K1	SCREW	4	
3	XTB3+8JFZ	SCREW	13	
4	RKA0105-K	RUBBER	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
5	RKA0106-N	FOOT RING	4	
6	RYP0911-S	FRONT PANEL ASS'Y	1	
6-1	RGB0025-A	TECHNICS BADGE	1	
6-2	RKW0576-V1	FL WINDOW	1	

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10024

Service Manual

Sound Processor

Supplement

SH-EH750

Colour

(S).....Silver Type.

Areas

(E).....Europe.

(GC),(GCS).....Asia, Latin America, Middle East and Africa.

Subject : To inform the method To Supply Power Source

Please file and use this supplement manual together with the service manual for Model No.SH-EH750 (E), Order No.AD9903061C2, SH-EH750 (GC), Order No.AD9905117C3 and SH-EH750 (GCS), Order No.AD9906133C3.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

1 To Supply Power Source

These Models shown above are designed to operate on power supplied from system connected.
When a component requires service, use the system connections to supply power source.
(For system connections, refer to Fig. 1-1.)

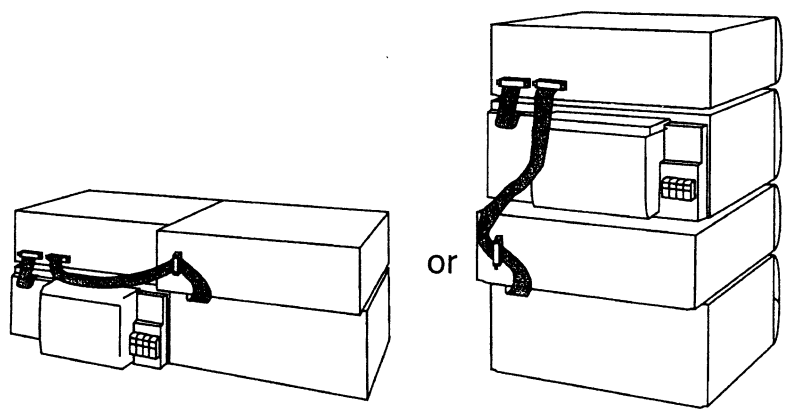

Fig. 1-1.

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10024

ORDER No. AD0003046P0
A6

Parts Change Notice

Model No. SH-DV150 [PP] / SH-EH550 [E, GC] / SH-EH750 [E, GC, GCS]

Please revise the original parts list in the Service Manual to conform to the change(s) shown below. If new part numbers are shown, be sure to use them when ordering parts.

Reason for Change *The circled item indicates the reason. If no marking, see the Notes in the bottom column.

(1.)	Improve performance
2.	Change of material or dimension
3.	To meet approved specification
4.	Standardization
5.	Addition
6.	Deletion
7.	Correction
8.	Other

Interchangeability Code **The circled item indicates the reason. If no marking, see the Notes in the bottom column.

	Parts		Unit Production	
A	Original	→	Early	Original or new parts may be used in either early or late production units. Use original parts until the supply is exhausted, then stock new parts.
	New	→	Late	
B	Original	→	Early	Original parts may be used in early production units only. New parts may be used in either or late production units. Use original parts where possible, then stock new parts.
	New	→	Late	
(C)	Original	→	Early	New parts are to be used in both early and late production units. Stock new parts only.
	New	→	Late	
D	Original	→	Early	Original parts must be used in early production units. New parts must be used in late production units only. Stock both original and new parts.
	New	→	Late	
E	Other			

Part Number Information

Model No.	Ref. No.	Original Part No.	New Part No.	Notes(*,**)	Part Name & Description	Q'ty	Remarks
SH-DV150 / SH-EH550 SH-EH750	IC602	M62457FPE1	**M62457AFPE1**	1, C	IC	1	

Please file this parts change notice with your copy of the Service Manual for model No.

SH-DV150	[PP]	Order No. AD9906138C1
SH-EH550	[E, GC]	Order No. AD9903060C8
SH-EH750	[E]	Order No. AD9903061C2
	[GC]	Order No. AD9905117C3
	[GCS]	Order No. AD9906133C3

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